STATUTORY CHECKLIST [§58.35(a) activities]

for Categorical Exclusions and Environmental Assessments

Note: Review of the items on this checklist is required for both Categorical Exclusions under Sec. 58.35(a) and projects requiring an Environmental Assessment under Sec. 58.36. If no compliance with any of the items is required, a Categorical Exclusion [58.35(a)] may become "exempt" under the provisions of Sec. 58.34 (a) (12). In such cases attach the completed Statutory Checklist to a written determination of the exemption. Projects requiring an Environmental Assessment under Sec. 58.36 cannot be determined to be exempt even if no compliance with Statutory Checklist items is found. Three items listed at Sec. 58.6 are applicable to all projects, including those determined to be exempt.

Project Name and Identification/Location: Malone Residence / # 2416
2 Scott Street Milford, Connecicut

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
Document Laws and authorities listed at 24 CFR Sec. 58.5							
1. Historic Properties [58.5(a)] [Section 106 of NHPA]	☐	☒	☒	☐	☐	☐	Consulted with State Historic Preservation Office (SHPO); Building built in 1930. SHPO determined the proposed work will have an adverse effect on the State's cultural rsources. See attached SHPO letter dated 12/26/14. Project must adhere to the Programatic Agreement among Connecticut Department of Housing, and Connecticut Department of Economic and Community Development, Connecticut State Historic Preservation Officer and the Advisory Council on Historic Preservation Regarding Disaster Recovery Activities in Connecticut.
2. Floodplain Management [58.5(b)] [EO 11988] [24 CFR 55]	☐	☒	☒	☐	☐	☐	Located in Flood Zone AE based on FEMA – Map Number 09009C0533J Revised July 8, 2013. See attached FIRMLET.
3. Wetland Protection [58.5 (b)]	☒	☐	☐	☐	☐	☐	Anticipated impacts on wetlands minimal due to majority of activities limited to pre-storm building footprint. Consulted City of Milford Inland Wetlands. No mapped wetlands. See attached National Wetlands Mapper.
4. Coastal Zone Management [58.5(c)] [CGS 22a-100(b)]	☐	☒	☒	☐	☐	☐	Site is located within the Coastal Boundary as mapped by DEEP.
5. Water Quality – Aquifers [58.5(d)] [40 CFR 149] Clean Water Act 1977 Safe Drinking Water Act 1974	☒	☐	☐	☐	☐	☐	Water Quality – N/A Project does not involving on-site water and sewer facilities nor is it in a sole source acquifer zone.
6. Endangered Species [58.5(e)] [16 U.S.C. 1531 et seq.] [CGS 26-310]	☒	☐	☐	☐	☐	☐	NOT LOCATED AT WATERFRONT PROPERTIES WITH SANDY BEACHES - consult with Department of Interior Fish and Wildlife Database – See attached Department of Interior Fish and Wildlife report.dated May 29, 2014 and letter December 2, 2014 from Thomas Chapman Supervisor Department of the Interior, Fish and Wildlife Service, New England Field Office.

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
7. Wild and Scenic Rivers [58.5 (i)] [16 U.S.C. 1271 et seq.]	☒	☐	☐	☐	☐	☐	Eightmile River is only designated wild & scenic river within program area running through Lyme, Salem and East Haddam, CT (rivers.gov; November 2012)
8. Air Quality [58.5(g)] [42 U.S.C. 7401 et seq.]	☒	☐	☐	☐	☐	☐	Clean Air Act, State Implementation Plan, HUD & EPA Regulations; in general, residential rehabilitation exempted w/no quantifiable increase in air pollution.
9. Farmland Protection [58.5(h)]	☒	☐	☐	☐	☐	☐	Agricultural land use conversion not anticipated. Adverse effects to agricultural resources are not anticipated; clearly defined urban areas . Location not considered protected farmland
Manmade Hazards: 10 A. Thermal Explosive [58.5(i)]	☒	☐	☐	☐	☐	☐	N/A for projects that do not add density
10 B. Noise [58.5(i)]	☒	☐	☐	☐	☐	☐	Not applicable to project – restoration of structure substanitially as it existed prior to Super Storm Sandy.
10 C. Airport Clear Zones [58.5 (i)]	☒	☐	☐	☐	☐	☐	Not applicable - Two (2) FAA designated Commercial Service airports in program area: Tweed New Haven Regional and Groton-New London. This property is not located in an Airport Clear Zone. Property does not involve the purchase or sale of an existing property in an airport zone.
10 D. Toxic Sites [58.5 (i)(2)(i)]	☒	☐	☐	☐	☐	☐	The site has no known toxic history based on the attached Toxix Site Certification. The site: 1) is not listed on EPA Superfund National Priorityies or CERCLA list. 2) is not located within 3,000ft of a toxic or solid waste landfill. 3) is not known to have an undergroud storage tank (which is not an undergroud storage fuel tank). 4) Is not known or suspected to be contaminated by radioactive chemicals or radioactive materials.
11. Environmental Justice [58.5(j)]	☒	☐	☐	☐	☐	☐	Executive Order 12898 Program activities do not anticipate high & adverse human health and environmental effects on minority or low-income populations;
Document Laws and authorities listed at Sec. 58.6 and other potential environmental concerns							
12 A. Flood Insurance [58.6(a) & (b)]	☐	☒	☒	☐	☐	☐	Located in Zone AE – Map Number 09009C0533J Revised July 8, 2013. See attached FIRMLET Flood insurance required.

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
12 B. Coastal Barriers [58.6(c)]	☒	☐	☐	☐	☐	☐	Property is not located in a Coastal Barrier Resource Zone. See attach map.
12 C. Airport Clear Zone Notification [58.6(d)]	☒	☐	☐	☐	☐	☐	Not applicable - Two (2) FAA designated Commercial Service airports in program area: Tweed New Haven Regional and Groton-New London. This property is not located in an Airport Clear Zone. Property does not involve the purchase or sale of an existing property in an airport zone.
13. A Solid Waste Disposal [42 U.S.C. S3251 et seq.] and [42 U.S.C. 6901-6987 eq seq.]	☒	☐	☐	☐	☐	☐	Resource Conservation and Recovery Act and Solid Waste Disposal Act; Residential Exemption
13 B. Fish and Wildlife [U.S.C. 661-666c]	☒	☐	☐	☐	☐	☐	Fish and Wildlife Coordination Act: Program activities will not result in impounding, diverting, deepening, channelizing or modification of any stream or body of water; not a water control project.
13 C. Lead-Based Paint [24 CFR Part 35] and [40 CFR 745.80 Subpart E]	☐	☒	☒	☐	☐	☐	Lead paint found - See attached Limited Hazardous Materials Inspection Report from Fuss & O'Neill EnviroScience LLC dated July 2014. Give tenant Notice about Lead. Compliance to include removal of lead-based paint, notifications, and clearance examinations.
13 D. Asbestos	☐	☒	☒	☒	☐	☐	Asbestos found – See attached Limited Hazardous Materials Inspection Report from Fuss & O'Neill EnviroScience LLC dated July 2014. Compliance will include measures to minimize risk of exposure and when necessary abate any hazardous materials.
13 E. Radon [50.3 (i) 1]	☒	☐	☐	☐	☐	☐	Radon concentration less than 4 picocuries per liter of air. See attached Limited Hazardous Materials Inspection Report from Fuss & O'Neill EnviroScience LLC dated July 2014. No action required.
13 F. Mold	☐	☒	☒	☐	☐	☐	Mold Found – See attached Limited Hazardous Materials Inspection Report from Fuss & O'Neill EnviroScience LLC dated July 2014. Follow recommendations in report.
14 A. Flood Management Certification [CGS 25-68]	☐	☐	☒	☐	☐	☐	Property inside Flood Zone AE on FEMA map 09009C0533J Revised July 8, 2013. Certification through the General Permit for CDBG-DR activities with DEEP required. See appendix B Certification form and required documents.
14 B. Structures, Dredging & Fill Act [CGS 22a-359 through 22a-363f]	☒	☐	☐	☐	☐	☐	Not applicable – project is not waterward of the Coastal Jurisdiction Line.
14 C. Tidal Wetlands Act [CGS 22a-28 through 22a-35]	☒	☐	☐	☐	☐	☐	Not located in Tidal wetlands – see attached Zoning Location.Survey.
14 D. Local inland wetlands/watercourses [CGS 22a-42]	☒	☐	☐	☐	☐	☐	Not located in wetlands - see attached letter from Mary Rose Polumbo Inland Wetlands Compliance Officer.

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
14 E. Various Municipal Zoning Approvals	☐	☒	☐	☐	☐	☐	Approvals may be required by Planning/Zoning Commission or ZBA if any work outside original building footprint.

DETERMINATION:

☐ This project converts to Exempt, per §58.349a)(12), because it does not require any mitigation for compliance with any listed statutes or authorities, nor requires any formal permit or license. Funds may be drawn down for this (now) EXEMPT project; OR

☒ This project cannot convert to Exempt because one or more statutes/authories requires consultation or itigation. Complete consultation/mitigation requirements, publish NOI/RROF and obtain Authority to Use Grant Funds (HUD 7015.16) per §58.70 and 58.71 before drawing down funds; **OR**

☐ The unusual circumstances of this project may reasult in a significant environmental impact. This project requires preparation of an Environmental Assessment (EA). Prepare the EA according to 24 CFR Part 58 Subpart E.

Prepared by:

Name: Stephen Ball

3/19/15
Date

Responsible Entity or designee Signature:

Hermia Delaire, CDBG-DR Program Manager

Date

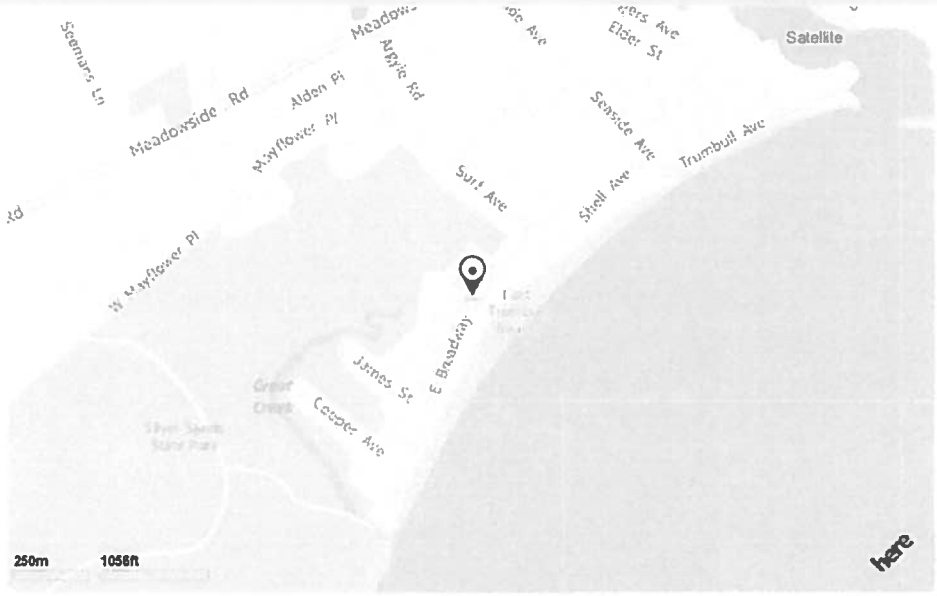
Print

YAHOO! MAPS

2 Scott St, Milford, CT 06460-6229

Enter notes here

255



When using any driving directions or map, it is a good idea to double check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.

2 Scott Street

May 22, 2014

Disclaimer: **This map was produced from the City of Milford Geographic Information System. The map was compiled using the most current GIS data available. It is deemed accurate, but is not guaranteed. The City expressly disclaims any liability that may result from the use of this map. This map is not a survey and is subject to any changes an actual land survey discloses.**

870 EAST BROADWAY

Location	870 EAST BROADWAY	**Assessment**	$147,070
Mblu	27/ 449/ 1/ /	**Appraisal**	$210,110
Acct#	011931	**PID**	5580
Owner	MALONE RICHARD	**Building Count**	2

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2013	$77,050	$133,060	$210,110
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2013	$53,930	$93,140	$147,070

Owner of Record

Owner	MALONE RICHARD	**Sale Price**	$0
Co-Owner		**Book & Page**	00839/1420
Address	870 EAST BROADWAY MILFORD, CT 06460	**Sale Date**	02/29/1976

Ownership History

Ownership History
No Data for Ownership History

Building Information

Building 1 : Section 1

Year Built:	1930
Living Area:	554
Replacement Cost:	$101,311
Building Percent Good:	70
Replacement Cost Less Depreciation:	$70,920

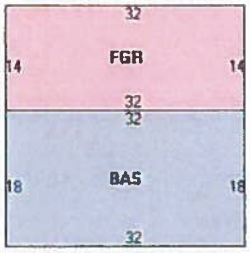
Building Photo

Building Attributes	
Field	**Description**
Style	Ranch
Model	Residential
Grade:	Below Average
Stories:	1 Story

Occupancy	1
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	
Roof Structure:	Flat
Roof Cover	Rolled Compos
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	Ceram Clay Til
Interior Flr 2	
Heat Fuel	Gas
Heat Type:	Hot Air-no Duc
AC Type:	None
Total Bedrooms:	1 Bedroom
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	2
Bath Style:	Average
Kitchen Style:	Updated
Bath Desc.	1-Full

(http://images.vgsi.com/photos/MilfordCTPhotos//\00\03\27/01.JPG)

Building Layout



Building Sub-Areas			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	554	554
UGR	Garage, Unfinished	470	0
		1024	554

Building 2 : Section 1

Year Built:	1930
Living Area:	816
Replacement Cost:	$122,501
Building Percent Good:	5
Replacement Cost Less Depreciation:	$6,130

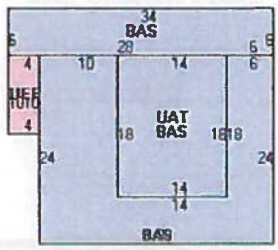
Building Attributes : Bldg 2 of 2	
Field	**Description**
Style	Bungalow
Model	Residential
Grade:	Average
Stories:	1 Story
Occupancy	
Exterior Wall 1	Wood on Sheath

Building Photo

(http://images.vgsi.com/photos/MilfordCTPhotos//\00\02\23/83.jpg)

Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Wall Brd/Wood
Interior Wall 2	
Interior Flr 1	Pine/Soft Wood
Interior Flr 2	
Heat Fuel	None
Heat Type:	None
AC Type:	None
Total Bedrooms:	1 Bedroom
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	3
Bath Style:	Old Style
Kitchen Style:	Original
Bath Desc.	1-Full

Building Layout



Building Sub-Areas			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	816	816
UEP	Porch, Enclosed, Unfinished	30	0
UST	Utility, Storage, Unfinished	24	0
		870	816

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	1010
Description	SINGLE FAM MDL-01
Zone	R5
Neighborhood	G
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	0.12
Frontage	60
Depth	100
Assessed Value	$93,140
Appraised Value	$133,060

Outbuildings

Outbuildings	Legend
No Data for Outbuildings	

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2013	$77,050	$133,060	$210,110
2012	$187,820	$133,060	$320,880

2011	$187,820	$133,060	$320,880

Assessment			
Valuation Year	Improvements	Land	Total
2013	$53,930	$93,140	$147,070
2012	$131,470	$93,140	$224,610
2011	$131,470	$93,140	$224,610

2416
SM

Department of Economic and Community Development

Connecticut
still revolutionary

December 26, 2014

received
12-30-14

Hermia M. Delaire
Program Manager
CDBG - Sandy Disaster Recovery Program
Department of Housing
505 Hudson Street
Hartford, CT 06106

Subject: Department of Housing Superstorm Sandy Reviews
2 Scott Street
Milford, CT

Dear Ms. Delaire:

The State Historic Preservation Office has reviewed the information submitted for the above-named pursuant to the provisions of Section 106 of the National Historic Preservation Act of 1966. It is the opinion of this office that the property located at 2 Scott Street is eligible for listing on the National Register of Historic Places as a contributing resource to a potential historic district.

Based on the information provided, the proposed demolition of 2 Scott Street will have an adverse effect on the state's cultural resources.

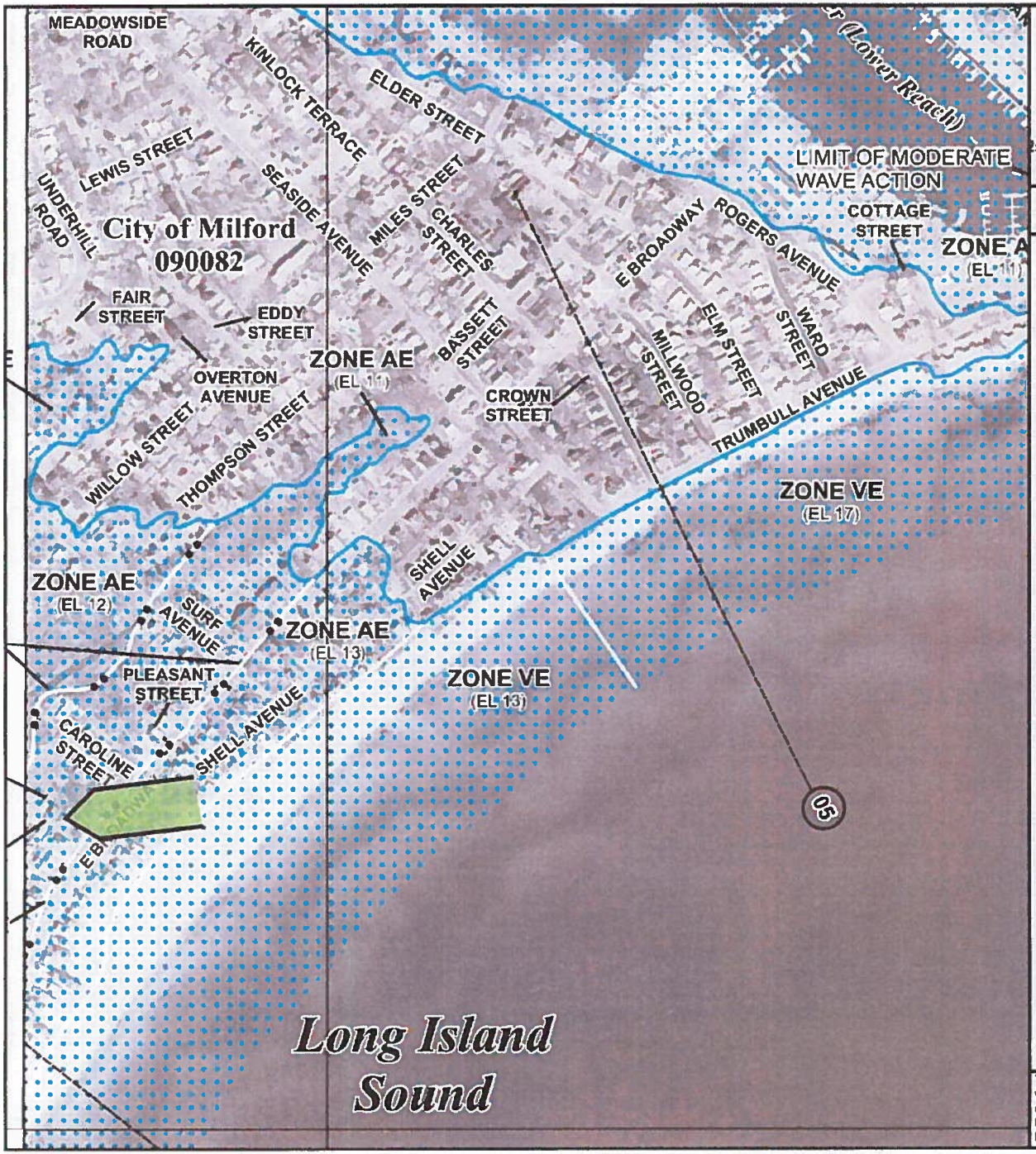
This office appreciates the opportunity to have reviewed and commented upon the project.

For further information please contact Laura L. Mancuso, Environmental Review Coordinator, at (860) 256-2757 or laura.mancuso@ct.gov.

Sincerely,

Mary B Dunne

Mary Dunne
Deputy State Historic Preservation Officer



MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0533J

FIRM

FLOOD INSURANCE RATE MAP

NEW HAVEN COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 533 OF 635

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MILFORD, CITY OF	[illegible]	0533	J

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
09009C0533J

MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0533J

FIRM

FLOOD INSURANCE RATE MAP

NEW HAVEN COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 533 OF 635

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MILFORD, CITY OF	[illegible]	0533	J

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
09009C0533J

MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

U.S. Fish and Wildlife Service

National Wetlands Inventory

2 Scott St. Milford CT

Oct 5, 2014

Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

User Remarks:

COASTAL BOUNDARY
MILFORD, CONNECTICUT

LEGEND

Coastal Boundary

EXPLANATION

The coastal boundary map shows the extent of lands and coastal waters as defined by Connecticut General Statute within Connecticut's coastal area. The coastal boundary is a continuous line delineated on the landward side by the interior contour elevation of the one hundred year frequency coastal flood zone, as defined and determined by the National Flood Insurance Act, or a one thousand foot linear setback measured from the mean high water mark in coastal waters, or a one thousand foot linear setback measured from the inland boundary of tidal wetlands, whichever is farthest inland; and shall be delineated on the seaward side by the seaward extent of the jurisdiction of the state.

Any regulated activity conducted within the coastal boundary by a municipal agency (i.e., plans of development, zoning regulations, municipal coastal programs and coastal site plan review (i.e., site plans submitted to zoning commission, subdivision or resubdivision plans submitted to planning commission, application for special permit or exception to the zoning or planning commissions or zoning board of appeals, variance submitted to zoning board of appeals and a referral of a municipal project)) must be conducted in a manner consistent with the requirements of the Connecticut Coastal Management Act (CMA). As the Coastal Boundary is a hybrid of the Coastal Area, all state and federal agency activities must be consistent with the requirements of the CMA. The coastal boundary is a hybrid of the original 1:24,000 version maps prepared by DEP and the revised boundary mapping undertaken by twenty-two coastal towns. This layer therefore does not replace the legal maps and may not be used for legal determinations.

The following twenty-two towns have adopted municipal coastal boundaries: Chester, Clinton, Darien, Deep River, East Haven, Essex, Fairfield, Greenwich, Groton, Guilford, Hamden, Ledyard, Madison, Milford, New Haven, New London, North Haven, Norwalk, Old Lyme, Old Saybrook, Stamford and Waterford. The coastal boundary maps for these towns may be at different scales than the original DEP draft maps and may contain minor adjustments to the boundary.

DATA SOURCES

COASTAL BOUNDARY DATA - The original boundary maps were created in 1979 on matte mylar overlay using the 1:24,000-scale US Geological Survey topographic quadrangle maps (mylar film format). The source for tidal wetland maps were the legal 1:24,000 maps (mylar format) adopted by the Commissioner of DEP and transformed to 1:24,000 mylar-scale maps by the Office of Policy and Management (OPM) using an accurate pantograph. OPM similarly converted FEMA's flood insurance maps (various scales) to a 1:24,000 mylar overlay. The inland extent of coastal waters was plotted on 1:24,000 USGS topographic maps following the procedures and sources described in The Boundary Between Saltwater and Freshwater in Connecticut, December 1978 prepared by the State of Connecticut, Department of Environmental Protection, Coastal Area Management Program.

BASE MAP DATA - Based on data originally from 1:24,000-scale USGS 7.5 minute topographic quadrangle maps published between 1969 and 1992. It includes political boundaries, railroads, airports, hydrography, geographic names and geographic places. Streets and street names are from Tele Atlas® copyrighted data. Base map information is neither current nor complete.

RELATED INFORMATION

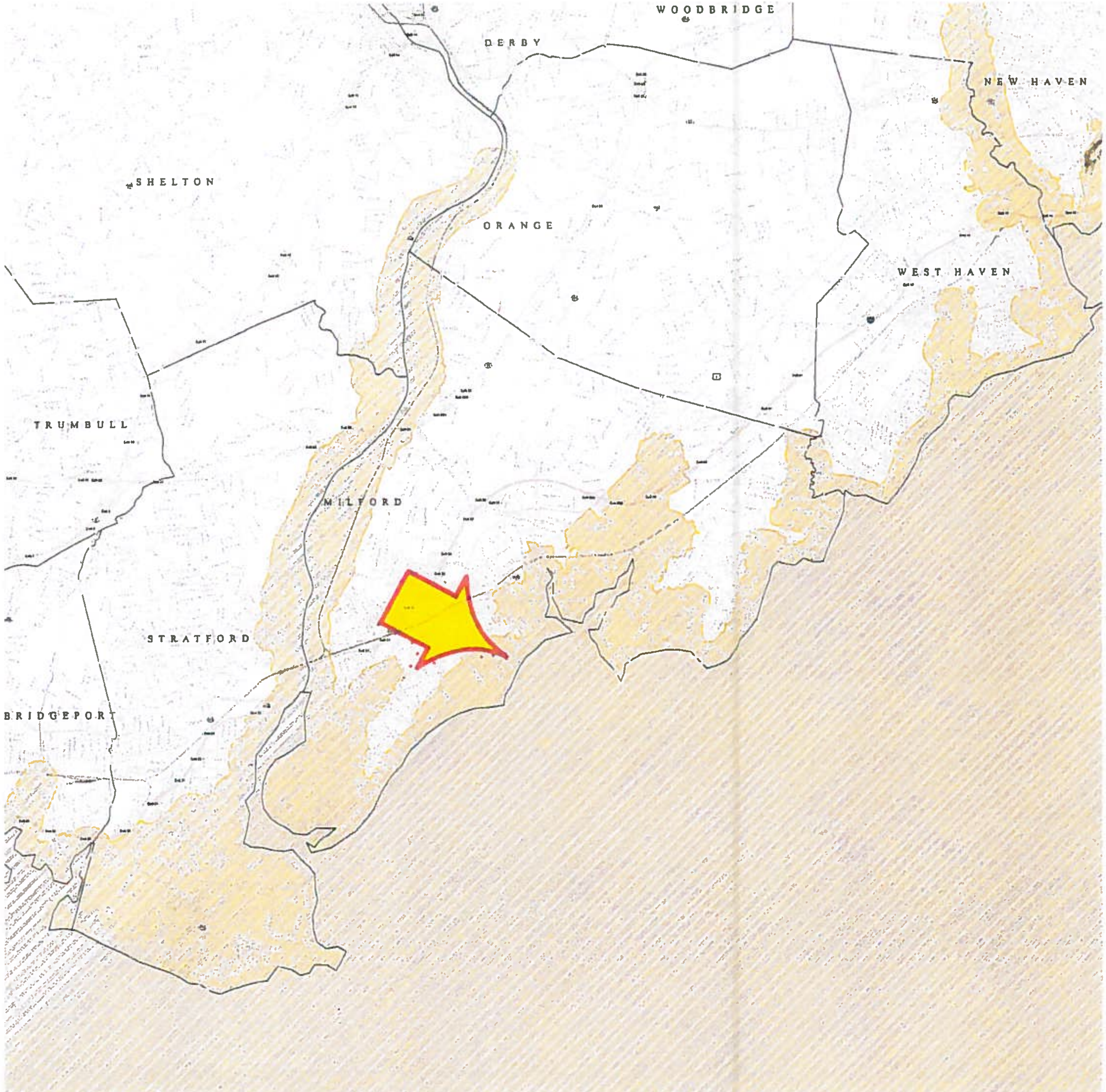
This map is intended to be printed at its original dimensions in order to maintain the 1:24,000 scale (1 inch = 2000 feet).

MAPS AND DIGITAL DATA - Go to the CT ECO website for this map and a variety of others. Go to the DEEP website for the digital spatial data shown on this map.

MAP LOCATION

STATE OF CONNECTICUT
DEPARTMENT OF
ENERGY & ENVIRONMENTAL PROTECTION
79 Elm Street
Hartford, CT 06106-5127

Map created by DEEP
January 2013



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 3301
PHONE: (603)223-2541 FAX: (603)223-0104
URL: www.fws.gov/newengland

Consultation Tracking Number: 05E1NE00-2014-SLI-0318 May 29, 2014
Project Name: Residence at 2 Scott Street, Milford, CT

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project.

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having

similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment

United States Department of Interior
Fish and Wildlife Service

Project name: Residence at 2 Scott Street, Milford, CT

Official Species List

Provided by:

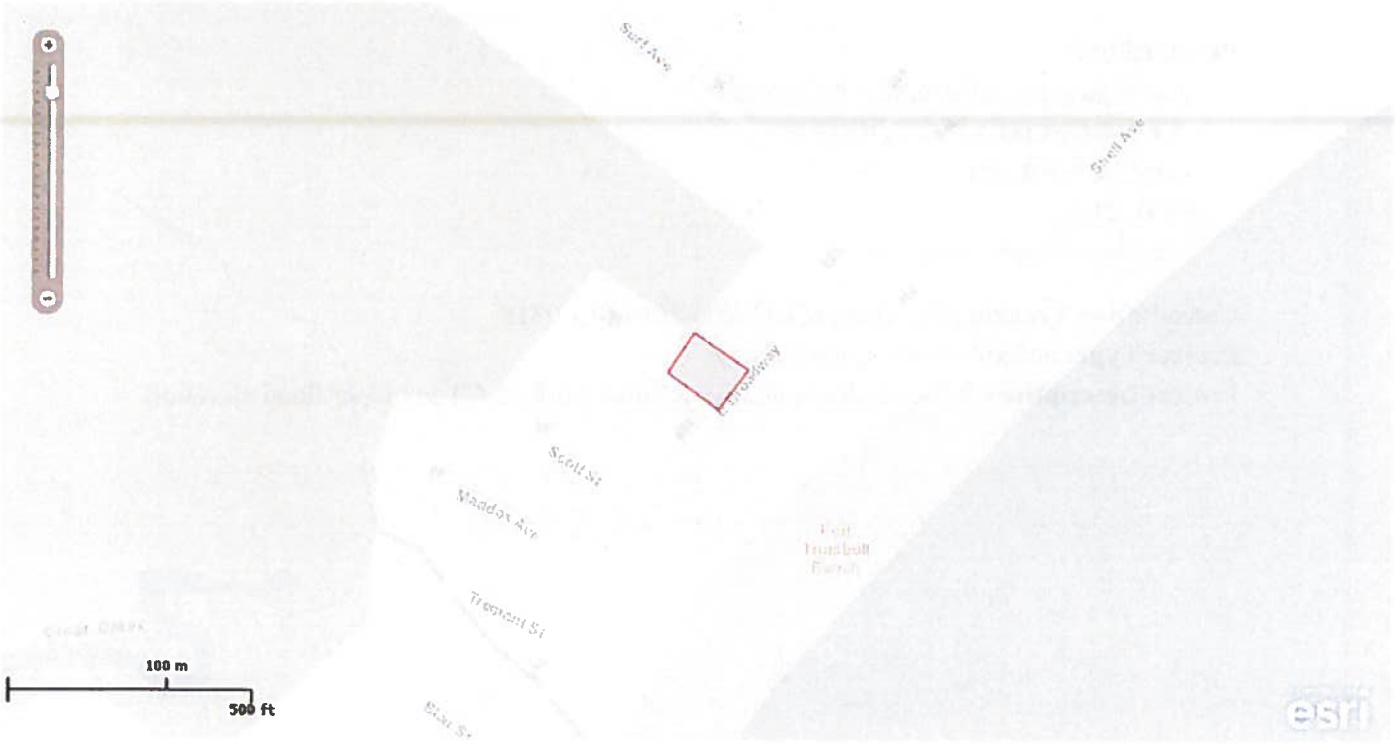
New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 3301
(603) 223-2541
http://www.fws.gov/newengland

Consultation Tracking Number: 05E1NE00-2014-SLI-0318
Project Type: Federal Grant / Loan Related
Project Description: Raise residence at 2 Scott Street Milford, CT to proper flood elevation.

United States Department of Interior
Fish and Wildlife Service

Project name: Residence at 2 Scott Street, Milford, CT

Project Location Map:



Project Coordinates: MULTIPOLYGON (((-73.0611736 41.2065262, -73.0615609 41.2067353, -73.061356 41.2069617, -73.0609483 41.2067522, -73.0611736 41.2065262)))

Project Counties: New Haven, CT

United States Department of Interior
Fish and Wildlife Service

Project name: Residence at 2 Scott Street, Milford, CT

Endangered Species Act Species List

There are a total of 1 threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed on the **Has Critical Habitat** lines may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Roseate tern *(Sterna dougallii dougallii)*

Population: northeast U.S. nesting pop.

Listing Status: Endangered

Critical habitats that lie within your project area

There are no critical habitats within your project area.

United States Department of the Interior

FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
http://www.fws.gov/newengland

Reference: See attached sheet for a list of projects covered by this letter December 2, 2014

Mr. Stephen Ball
294 White Deer Rocks Road
Woodbury, CT 06798

Dear Mr. Ball:

This responds to your recent correspondence requesting information on the presence of federally listed and/or proposed endangered or threatened species in relation to the proposed activities referenced above. These comments are provided in accordance with the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531, *et seq.*).

Based on information currently available to us, no federally listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project areas. While the proposed projects do occur within the ranges of the federally endangered roseate tern (*Sterna dougallii dougallii*) and the federally threatened piping plover (*Charadrius melodus*), we anticipate that neither species would nest or forage within the project areas, based on the lack of suitable habitat and distance from known breeding colonies and nesting areas. Because none of these properties abut the beach, and the proposed work will occur within the existing structures' footprints, we anticipate that there will be no need for equipment or workers to be present on the beach, and therefore there will be no impact to these species or their habitat. Preparation of a Biological Assessment or further consultation with us under section 7 of the Endangered Species Act is not required. No further Endangered Species Act coordination is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

To obtain updated lists of federally listed or proposed threatened or endangered species and critical habitats, it is not necessary to contact this office. Instead, please visit the U.S. Fish and Wildlife Service's Environmental Conservation Online System website for the Information, Planning, and Conservation System:

http://ecos.fws.gov/ipac/ (accessed November 2014)

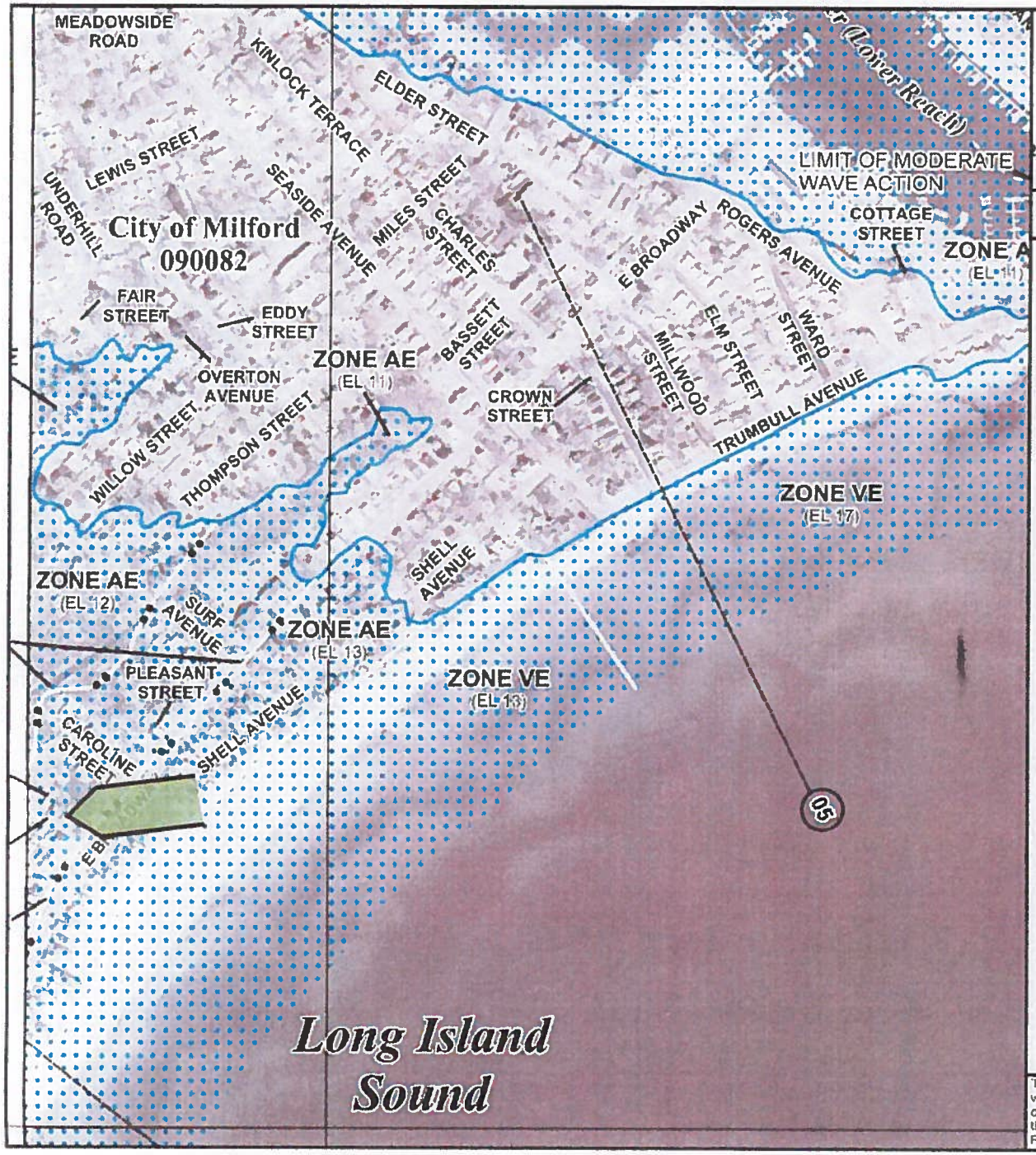
By following the procedures outlined on the website, you should be able to generate a species list or a no species present determination for your project. There are also links to listed species documents that may allow you to conclude if habitat for a listed species is present in the project area. If no such habitat exists, then no federally listed species are present in the project area and there is no need to contact us for further consultation. If the above conclusion cannot be reached, further consultation with this office is advised. Information describing the nature and location of the proposed activity that should be provided to us for further informal consultation can be found at the above-referenced site.

Thank you for your coordination. Please contact Ms. Cindy Maynard of this office at 401-364-9124, extension 37, if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman
Supervisor
New England Field Office

Project	Location
Property renovation	104 Melba Street, Milford, CT
Property renovation	14 Cooper Avenue, Milford, CT
Property renovation	10 Coolridge Road, Milford, CT
Property renovation	2 Scott Street, Milford, CT
Property renovation	70 Shell Avenue, Milford, CT
Property renovation	30 Westland Avenue, Milford, CT



MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0533J

FIRM

FLOOD INSURANCE RATE MAP

NEW HAVEN COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 533 OF 635

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MILFORD, CITY OF	090082	0533	J

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

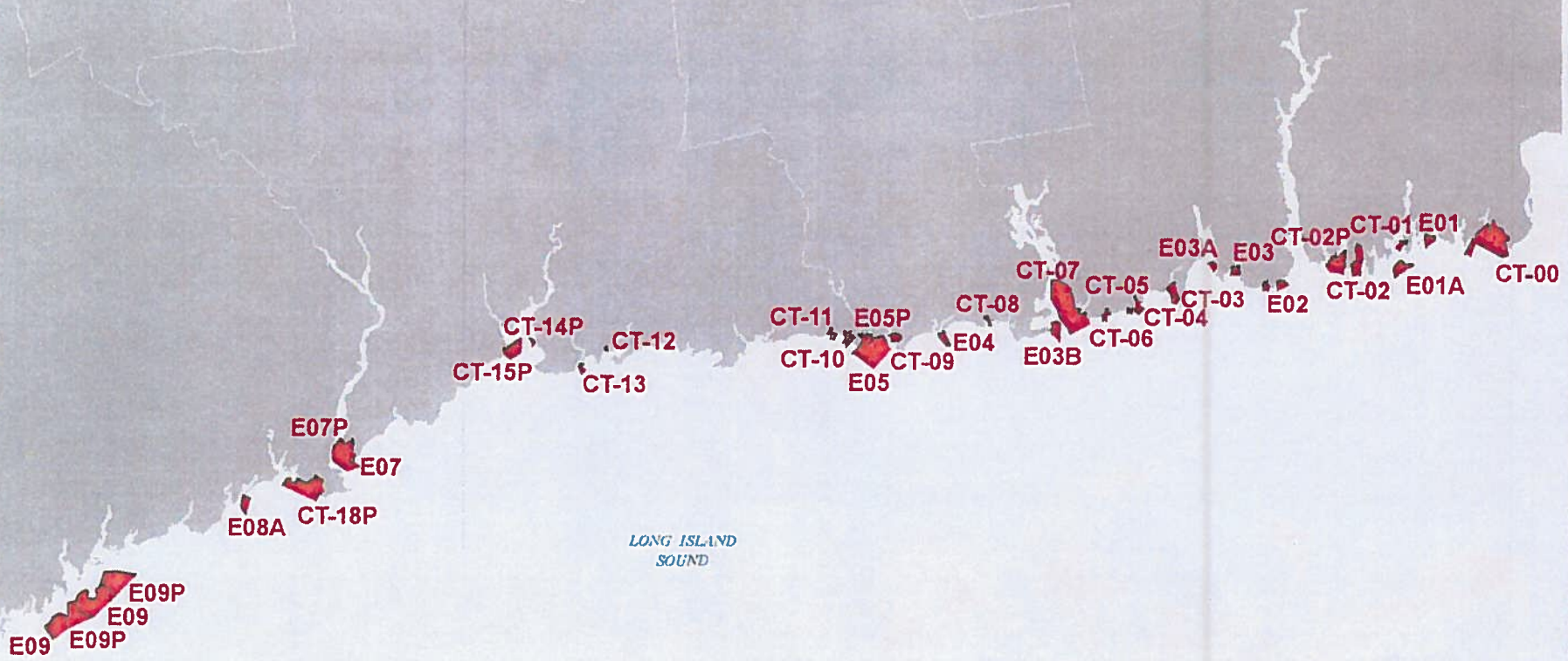
MAP NUMBER
09009C0533J

MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

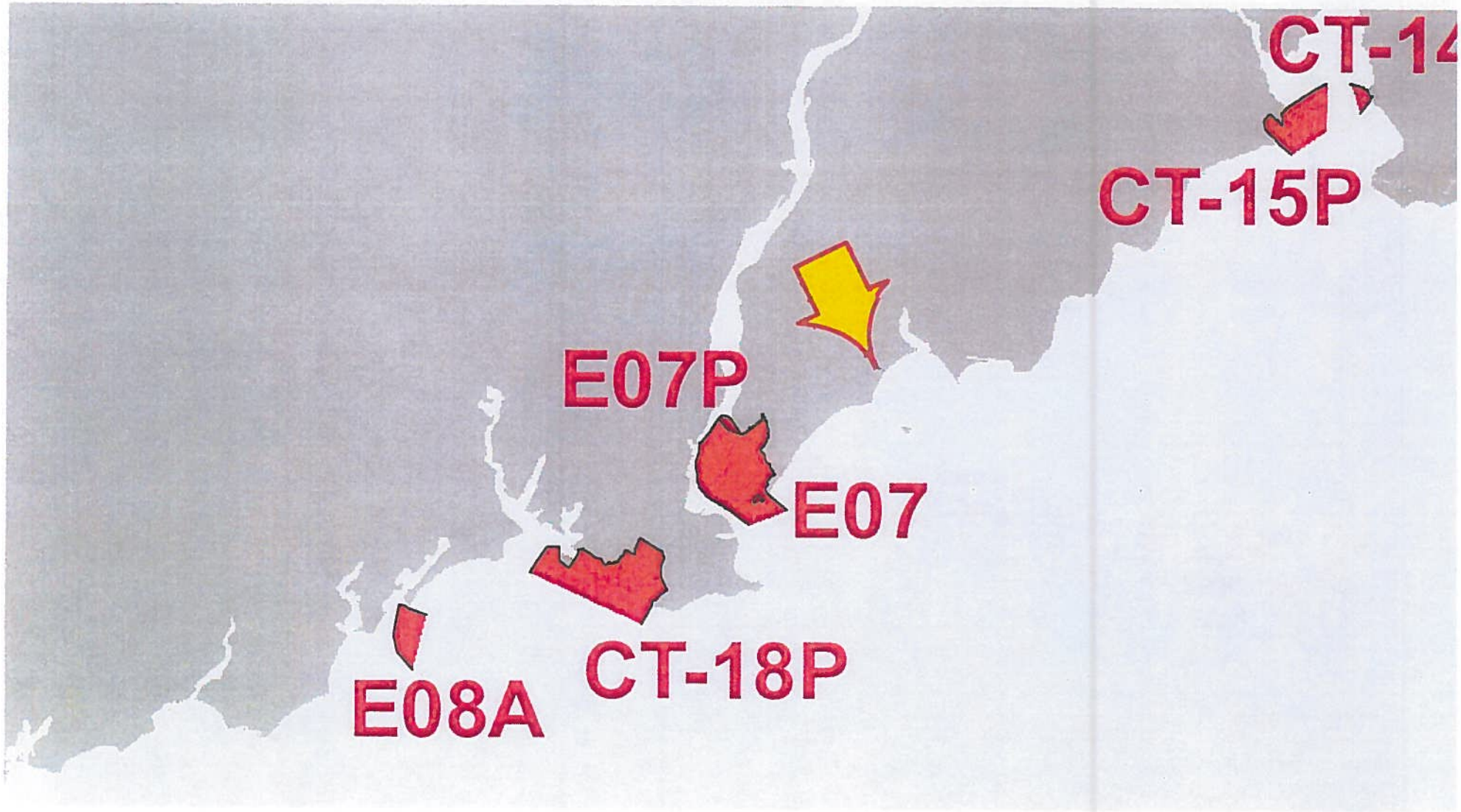
JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

CONNECTICUT



Number of CBRS Units:	32
Number of System Units:	*25*
Number of Otherwise Protected Areas:	*7*
Total Acres:	9,245
Upland Acres:	*1,130*
Associated Aquatic Habitat Acres:	*8,115*
Shoreline Miles:	22

Boundaries of the John H. Chafee Coastal Barrier Resources System (CBRS) shown on this map were transferred from the official CBRS maps for this area and are depicted on this map (in red) for informational purposes only. The official CBRS maps are enacted by Congress via the Coastal Barrier Resources Act, as amended, and are maintained by the U.S. Fish and Wildlife Service. The official CBRS maps are available for download at http://www.fws.gov/habitatconservation/coastal_barrier.html.


CT-14
CT-15P
E07P
E07
CT-18P
E08A

Limited Hazardous Materials Building Inspection Report

Storm Sandy Residential Rehabilitation Project
2 Scott Street
Milford, Connecticut

Quisenberry Arcari Architects, LLC

Farmington, Connecticut

July 2014

Fuss & O'Neill EnviroScience, LLC
56 Quarry Road
Trumbull, CT 06611

Project No. 20140277.C4E

FUSS & O'NEILL
EnviroScience, LLC

July 17, 2014

Mr. Thomas Arcari
Principal
Quisenberry Arcari Architects LLC
318 Main Street
Farmington, CT 06032

RE: Limited Hazardous Materials Building Inspection
Storm Sandy Residential Rehabilitation Project
2 Scott Street, Milford, Connecticut
Fuss & O'Neill EnviroScience Project No. 20140277.C4E
Quisenberry Arcari Project No. 1346-33

Dear Mr. Arcari:

Enclosed is the report for the limited hazardous materials building inspection performed at 2 Scott Street in Milford, Connecticut.

The initial inspection was performed on June 6, 2014, by Fuss & O'Neill EnviroScience, LLC state-licensed inspectors and included an asbestos inspection, testing for lead-based paint, a lead-based paint risk assessment, airborne radon assessment, mold assessment, and assessments for PCB-containing light ballasts and mercury hazards.

The information summarized in this document is for the above-mentioned materials only. It does not include information on other hazardous materials that may exist in the property (such as underground storage tanks, PCB-containing building materials, etc.).

If you have any questions regarding the contents of this report, please do not hesitate to contact us at (203) 374-3748. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Kevin McCarthy
Project Manager

Timothy M. Downey
Senior Project Manager

56 Quarry Road
Trumbull, CT
06611
t 203.374.3748
800.286.2469
f 203.374.4391

www.fando.com

Connecticut
Massachusetts
Rhode Island
South Carolina

FUSS & O'NEILL
EnviroScience, LLC

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Quisenberry Arcari Architects LLC
2 Scott Street, Milford, Connecticut

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FUSS & O'NEILL
EnviroScience, LLC

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Limited Hazardous Materials Building Inspection Report
Quisenberry Arcari Architects LLC
2 Scott Street, Milford, Connecticut

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APPENDIX B	ASBESTOS SAMPLE RESULTS AND CHAIN OF CUSTODY FORMS
APPENDIX C	LEAD PAINT TESTING PROCEDURES AND EQUIPMENT
APPENDIX D	LEAD TESTING FIELD DATA SHEETS
APPENDIX E	LEAD IN DUST SAMPLE RESULTS AND CHAIN OF CUSTODY FORM
APPENDIX F	TCLP SAMPLE RESULTS AND CHAIN OF CUSTODY FORM
APPENDIX G	MOLD BULK SAMPLE RESULTS AND CHAIN OF CUSTODY FORM
APPENDIX H	AIRBORNE RADON GAS ASSESSMENT RESULTS AND CHAIN OF CUSTODY FORM
APPENDIX I	SITE PHOTOGRAPHS

FUSS & O'NEILL
EnviroScience, LLC

1 Introduction

On June 6, 2014, Fuss & O'Neill EnviroScience, LLC (EnviroScience) Environmental Technicians, Mr. Robert Hobbins and Mr. Ulkens Auguste performed a limited hazardous materials building inspection of the residential structure located at 2 Scott Street in Milford, Connecticut (the "Site"). Mr. Hobbins and Mr. Auguste are State of Connecticut-licensed Asbestos Consultants - Inspectors and Certified Lead Paint Inspectors. A lead paint risk assessment was performed within the residence by Mr. Auguste on the same day. Mr. Auguste is a State of Connecticut-Certified Lead Paint Inspector/Risk Assessor. The residential structure was not occupied at the time and date of the inspection. Refer to *Appendix A* for EnviroScience state licenses, certifications, and accreditations.

This inspection was performed in response to the planned renovations to damaged or impacted areas of the building caused by Superstorm Sandy, as identified in the *Draft Residence Rehabilitation Letter* dated May 2, 2014, provided by Quisenberry Arcari Architects. The limited inspection consisted of the following:

- A inspection for asbestos-containing materials (ACM) associated with the scheduled structure flood elevation, first floor fit-out, window replacement, and exterior siding replacement,
- Testing and risk assessment of painted surfaces coated with lead-based paint (LBP);
- An evaluation of fluorescent light fixtures for polychlorinated biphenyls (PCB)-containing light ballasts;
- An inventory of light tubes/lamps, and devices for mercury;
- Airborne radon gas assessment;
- A mold assessment.

2 Asbestos Inspection

A Property Owner must ensure that performance of a thorough inspection for ACM, prior to possible disturbance of suspect ACM during renovation or demolition, is conducted. This is a requirement of the United States (US) Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR Part 61, Subpart M.

This includes Friable, Non-Friable Category I, and Non-Friable Category II ACM.

- A Friable Material is defined as material that contains greater than one percent (>1%) asbestos, that when dry **can** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category I Non-Friable Material refers to material that contains greater than one percent (>1%) asbestos (e.g. packings, gaskets, resilient floor coverings, asphalt roofing products, etc.) that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category II Non-Friable Material refers to any non-friable material (excluding Category I materials) that contains greater than one percent (>1%) asbestos that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.

During this inspection, suspect ACM were separated into three EPA categories. These categories are: thermal system insulation (TSI), surfacing ACM, and miscellaneous ACM. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe

insulation, boiler insulation, duct insulation, and mudded pipe fitting insulations. Surfacing ACM includes all ACM that is applied by spray or trowel, or otherwise applied to an existing surface. Surfacing ACM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tiles.

Samples are recommended to be collected in a manner sufficient to determine asbestos content and include homogenous building materials. The EPA NESHAP regulation does not specifically identify a minimum number of samples to be collected and analyzed, but recommends the use of sampling protocols included in EPA Title 40 CFR Part 763, Sub-Part E - Asbestos Containing Materials in Schools regulation.

2.1 Methodology

Samples of suspect ACM were collected in accordance with EPA recommendations and Asbestos Hazard Emergency Response Act (AHERA) protocols. The protocols included the following:

1. Surfacing Materials (SURF) (e.g., plaster, spray-on fireproofing, etc.) were collected in a randomly distributed manner representing each homogenous area based on the overall quantity represented by the sampling as follows:
    a. Three samples collected from each homogenous area that is less than or equal to (≤) 1,000 square feet.
    b. Five samples collected from each homogenous area that is greater than (>) 1,000 square feet, but less than or equal to 5,000 square feet.
    c. Seven samples collected from each homogenous area that is greater than (>) 5,000 square feet.

2. Thermal System Insulation (TSI) (e.g., pipe insulation, tank insulation, etc.) was collected in a randomly distributed manner representing each homogenous area. Three bulk samples were collected as representative of each homogeneous material type, and sent to laboratory for asbestos analysis. Also, a minimum of one sample of any patching material (less than 6 linear of square feet) applied to TSI was collected.

3. Miscellaneous Materials (MISC) (e.g. floor tile, gaskets, construction mastics, etc.) had a minimum of two samples collected as representative of each homogenous material type. Sampling was conducted in a manner sufficient to determine asbestos content of the homogenous material as determined by the Asbestos Inspector. If materials identified were of (significant) minimal quantity, only a single sample was collected.

The Asbestos Consultants – Inspectors collected samples and prepared proper chain of custody forms for transmission of samples to an accredited laboratory for analysis by Polarized Light Microscopy (PLM). The sampling locations, material type, quantity, sample identification, and asbestos content are identified by bulk sample analysis in Tables 1 and 2 of the "Results" section. Any materials on the site not listed in the following tables should be considered suspect ACM until sample results indicate otherwise. Refer to *Appendix B* for PLM analytical results for asbestos bulk samples and chain of custody forms.

2.2 Results

Utilizing the EPA protocol and criteria, the following materials were determined to be ACM:

Table 1
Asbestos Containing Materials

Location	Material Type	Asbestos Content	Estimated Quantity	Sample No.
Kitchen/Dining Room	White Self-Stick Sheet Flooring	5% Chrysotile	100 SF	0606BH16A
Side Entryway to Kitchen	Exterior Door Window Glazing Compounds	2% Chrysotile	1 Door System	0606BH25A

Note: **SF**=Square Feet

Utilizing the EPA protocol and criteria, the following materials were determined to be **non-ACM**:

Table 2
Non-Asbestos Containing Materials

Location	Material Type	Sample No.
Living Room	Textured Ceiling/Wall Paint	0606BH01A-G
Crawlspace	Hair-like Pipe Insulation	0606BH02A-C
Main Floor	Sheetrock & Taping Compound	0606BH03A-B, 04A-B, 05
Kitchen/Dining Room	Green Wall Panel & Associated Glue	0606BH06A-B, 07A-B
Furnace Room	Gray Wall Panel & Associated Glue	0606BH08A-B
Porch	Yellow Wall Panel Glue	0606BH10A-B
Bathroom	Sink Countertop/Glue	0606BH11A-B
Kitchen/Dining Room Wall at Appliances	Brick, Grout, & Backing	0606BH12A-B, 13A-B, 14A-B
Storage Room	Green/White Self-Stick Sheet Flooring	0606BH15A-B
Bathroom	Ceramic Floor Tile, Grout, & Thinset	0606BH17A-B, 18A-B, 19A-B
Side Entryway at Kitchen	Bottom & Top Layer Shingle Siding	0606BH20A-B, 21A-B
Building Exterior	Silver Paper Behind Siding	0606BH22A-B
Main Building Exterior Window Systems	Exterior Window Glazing Compounds	0606BH23A-C
Porch Exterior Window Systems		0606BH24A-C

Location	Material Type	Sample No.
Exterior of Building	Concrete Block Foundation & Grout	0606BH26A-B, 27A-B
Crawlspace	Concrete Slab Floor	0606BH28A-B

2.3 Discussion

The EPA defines any material that contains greater than one percent (> 1%) asbestos, utilizing PLM, as an ACM. Materials that are identified as "none detected" are specified as not containing asbestos.

2.4 Recommendations and Conclusions

ACM identified in *Section 2.1 - Table 1* must be removed by a State of Connecticut-licensed Asbestos Abatement Contractor prior to building renovations that will disturb the materials. This is a requirement of the State of Connecticut Department of Public Health (CTDPH) Standards for Asbestos Abatement.

Note that since this asbestos inspection was limited, we recommend conducting a supplemental inspection of hidden and inaccessible areas (behind walls/beneath fixed floors, exterior foundation, within operational mechanical equipment, etc.) prior to demolition/renovation activities.

Any suspect material encountered during renovation activities that is not identified in this report as being non-ACM, should be assumed to be ACM unless sample results prove otherwise.

3 Lead-Based Paint Testing

EnviroScience conducted testing for surfaces coated with LBP within the Site structure. On June 6, 2014, Mr. Hobbins and Mr. Auguste performed the testing. The purpose of the testing was for compliance with EPA's Renovation, Repair, and Painting Rule (RRP) located at Title 40 CFR, Parts 745.80 through 92), and the US Department of Housing and Urban Development (HUD) Lead-Safe Housing Rule (Title 24 CFR, Part 35, Subparts B-R). Mr. Auguste performed a risk assessment for the purpose of HUD Lead-Safe Housing Rule compliance.

3.1 Methodology

A direct reading X-ray fluorescence (XRF) analyzer was used to perform the testing. The testing was conducted in accordance with the protocol outlined in the attached document: "Testing Procedures and Equipment" (refer to *Appendix C*).

For the purpose of this testing, various interior and exterior building components representing the initial painting history of the building, and any building-wide repainting by the owners/managers of these building components were tested. Individual repainting efforts are not discoverable in such a limited testing program. The purpose of this testing was to identify patterns and trends in the painting history of

the building to determine if the EPA Toxicity Characteristic Leaching Procedure (TCLP) analysis is required for demolition debris prior to off-site disposal. Additionally, representative lead in dust wipe samples was collected for the risk assessment portion of the project.

The Site structure was constructed of wood siding exterior with metal/wood window and door systems. The interior is composed of sheetrock, with wood and concrete floors. There were no children under the age of six present within the residence at the time and date of the inspection.

3.2 XRF Testing Results

The testing indicated consistent painting patterns and trends throughout the building interior and exterior. The following building components were determined to contain toxic levels of lead (greater than 1.0 milligrams of lead per square centimeter of paint [mg/cm^2]):

Table 3
Lead Painted Building Materials

Building Component	Location	Reading (mg/cm^2)	Defective?
Window Trim	Storage Room	3.6	Yes
Window Sash		1.7	Yes
Siding behind Sheetrock Wall		5.7	Yes
Door Jamb	Porch	1.1	Yes
Window Trim		3.9	Yes
Door Jamb	Kitchen/Dining Room	9.5	Yes
Door Casing		1.7	Yes
Window Trim	Furnace Room	1.3	Yes
Door Jamb	Side Entry to Kitchen	6.7	Yes
Door Casing		> 9.9	Yes
Wall Trim		> 9.9	Yes
Upper Trim	Exterior Side A	6.3	Yes
Window Sash	Exterior Side A– Basement Window	1.1	Yes

The lead testing field data sheets and diagrams are provided as *Appendix D* of this report.

3.3 TCLP Sample Results

If components of a building that is slated for demolition have toxic levels of lead-based paint, a TCLP analysis needs to be conducted to determine whether debris generated from demolition needs to be disposed of as lead waste. The EPA has determined that if the result of the analysis is more than 5.0 mg/L (milligram per liter), the waste needs to be disposed of as lead-contaminated waste.

The laboratory results of the TCLP sample indicate lead leaches as a concentration of 1.36 milligrams per liter (mg/L), which is below the EPA RCRA hazardous waste characterization standard of 5.0 mg/L.

Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut performed the analysis. TCLP analytical sample results are provided as *Appendix F* in this report.

3.4 Dust Wipe Sample Results

Representative dust wipe samples were collected inside the Site structure to evaluate whether a lead dust hazard exists. The sample numbers, locations, and results are as follows:

Table 4
Lead Dust Wipe Sample Results

Sample No.	Location	Results*
060614UA-01	Storage Room Floor	1,000 µg/ft²
060614UA-02	Storage Room Window Sill	20,000 µg/ft²
060614UA-03	Furnace Room Floor	120 µg/ft²
060614UA-04	Furnace Room Window Sill	8,900 µg/ft²
060614UA-05	Porch Floor	3,200 µg/ft²
060614UA-06	Porch Window Sill	4,000 µg/ft²
060614UA-07	Kitchen/Dining Room Floor	55 µg/ft²
060614UA-08	Kitchen/Dining Room Floor *(Duplicate Sample)*	95 µg/ft²
060614UA-09	Kitchen/Dining Room Window Sill	510 µg/ft²
060614UA-10	Field Blank	<10 µg/ft²
060614UA-11	Field Blank	<10 µg/ft²

*Results reported in µg/ft² = micrograms per square foot

Dust wipe samples were collected from window sill and floor locations as delineated on our chain of custody form. The dust wipe sampling was conducted in accordance with the protocol outlined in the document "Lead Testing Procedures and Equipment" (refer to *Appendix C).* Sample results were compared to CTDPH standards for dust as follows:

- 40 µg/ft² for floors
- 250 µg/ft² for window sills

The analytical sample results and chain of custody forms are provided as *Appendix E* in this report.

3.5 Lead in Soil and Drinking Water

No bare soil areas were identified along the drip line of the Site; therefore lead content in soil was not assessed. In addition, water service to the residence was previously disconnected; therefore lead in drinking water was not assessed.

3.6 Recommendations and Conclusions

The following building components were determined to be coated with toxic levels of lead in paint:

- Storage Room Window Trim, Window Sash, and Siding behind Sheetrock
- Porch Door Jamb and Window Trim
- Kitchen/Dining Room Door Casing and Door Jamb
- Furnace Room Window Trim
- Side Entry to Kitchen Door Casing, Door Jamb, and Wall Trim
- Exterior Side A Upper Trim and Basement Window Sash

Interior defective LBP identified at the Site must be abated. Exterior defective LBP identified on the exterior upper trim and basement window sashes on the A-Side of the residence may be managed with interim controls that consist of scrapping defective LBP and encapsulating the painted surface with a CTDPH-approved encapsulant.

The laboratory results of the TCLP sample indicate lead leaches as a concentration of 1.36 milligrams per liter (mg/L), which is below the EPA RCRA hazardous waste characterization standard of 5.0 mg/L. Therefore, the waste may be disposed as general construction and demolition debris.

Dust wipe sample results were above the CTDPH standard for the floor and window sill surfaces in the storage room, porch, kitchen/dining room, and furnace room sample locations. A lead dust hazard does exist in the areas tested, as well as assumed to exist in other areas that were not tested. Lead dust located on the floor and window sills must be cleaned to below the CTDPH clearance standard of 40 µg/ft² (floors) and 250 µg/ft² (window sills).

This inspection was performed as inspection of representative surfaces within the residence that are scheduled to be disturbed and can be utilized to determine applicability requirements for the RRP rule on surfaces tested. If a specific component or surface is not identified as having been tested during this inspection, it should be presumed to contain lead paint until tested and identified as non-toxic.

The Contractor should be aware that OSHA has not established a level of lead in a material below which Title 29 CFR, Part 1926.62 ("Lead in Construction") does not apply. The Contractor shall comply with employee exposure assessment criteria, interim worker protection, and other requirements of the regulation, as necessary, to protect workers and building occupants from potential lead exposure. Contractor's should be aware that the threshold limit of 1.0 mg/cm² for purposes of RRP requirements is not recognized by the Occupational Safety and Health Administration (OSHA) and worker exposures are still subject to the Lead in Construction regulation (Title 29 CFR, Part 1926.62).

4 PCB-Containing Fluorescent Ballasts Assessment

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Ballasts installed as late as 1985 may contain PCB capacitors. Fluorescent light ballasts that are not labeled as "No-PCBs" must be assumed to contain PCBs unless proven otherwise by quantitative analytical testing. Capacitors in fluorescent light ballasts labeled as non-PCB-containing may contain diethylhexl phthalate (DEHP). DEHP was the primary substitute to replace PCBs for small capacitors in fluorescent lighting ballasts in use until 1991. DEHP is a toxic substance, a suspected carcinogen and is listed under RCRA and the Superfund law as a hazardous waste. Therefore, Superfund liability exists for land filling both PCB and DEHP-containing light ballasts. These listed materials are considered hazardous waste under RCRA and require special handling and disposal requirements.

4.1 Methodology

On June 6, 2014, EnviroScience representative Mr. Hobbins performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing ballasts. The inspection involved visually inspecting labels on representative light ballasts to identify dates of manufacture and labels indicating "No PCB's". Ballasts manufactured after 1991 were not listed as a PCB or DEHP-containing ballast and not quantified for disposal. Those ballasts without a label indicating "No PCB's" are presumed to be PCB waste and must be segregated for proper removal, packaging, transport and disposal as PCB waste. Those ballasts with date labels indicating manufacture prior to 1991 which indicate "No PCB's" are presumed to contain DEHP and must be segregated for proper removal, packaging, transport, and disposal as non-PCB-hazardous waste. The disposal requirements are slightly varied and costs are slightly less for DEHP than PCB-containing light ballasts.

4.2 Results

The light ballasts observed in the building were labeled either with the manufacturer's information or a "No PCBs" label. The light ballasts labeled with the manufacturer's information are assumed to contain PCBs and the light ballasts labeled "No PCBs" are assumed to contain DEHP.

4.3 Recommendations and Conclusions

If the renovation activities will disturb these materials, the ballasts not labeled "No PCBs" should be properly recycled as PCBs. The remaining light ballasts that are labeled "No PCBs" should be properly recycled as assumed DEHP-containing waste.

5 Mercury-Containing Devices Assessment

Fluorescent lamps are presumed to contain mercury vapor which is a hazardous substance to both human health and the environment. Thermostatic controls and electrical switch gear may contain a vial or bulb of mercury associated with the control. Mercury-containing equipment is regulated for proper disposal by the EPA RCRA. Mercury lamps according to the EPA are considered a Universal Waste requiring all fluorescent lamps to be recycled or disposed as hazardous waste.

5.1 Methodology

On June 6, 2014, EnviroScience's representative Mr. Hobbins performed a visual inventory of mercury-containing lamps/tubes, thermostats, switches, and gauges. These fixtures were inventoried in-place.

5.2 Conclusions

No fluorescent light lamps/tubes, thermostats, switches, or gauges were observed within the Site structure.

6 Mold Visual Assessment

On June 6, 2014, EnviroScience representative Mr. Hobbins performed a visual assessment for the presence of suspect mold and water intrusion.

A bulk sample of visible suspect mold growth were collected for direct microscope analysis. Direct analysis identifies all types of mold spores, but does not differentiate between viable and non-viable mold spores. Non-viable mold spores can be of interest with respect to health, as well as viable spores. The analysis was performed at EMSL Analytical, Inc. of Cinnaminson, New Jersey.

6.1 Observations

Suspect mold growth was identified on the sheetrock wall of the furnace room. Mold was confirmed at low levels by laboratory identification of *Aspergillus/Penicillium, Basidiospores, Myxomucetes, Ascospores, and Stachybotrys* and high levels of *Chaetomium* in the bulk sample collected.

Refer to *Appendix G* for analytical mold bulk sample results.

6.2 Recommendations

Potential exposure to mold during renovation should be considered, and appropriate work protection, possible use of engineering controls, and surface treatment of mold on building materials to remain is recommended.

Where feasible, we recommend building materials that are to remain in areas of visible suspect mold growth be cleaned and treated with a mold inhibitor. Remediation of visible suspect mold growth and removal of water-damaged building materials should be performed within a negative pressure enclosure/environment, using properly-trained and protected workers. Removal should comply with guidance according to EPA and the Institute of Inspection, Cleaning and Restoration Certification (IICRC).

7 Airborne Radon Gas Information, Sampling and Procedure

7.1 Radon Gas Facts and Health Effects

Radon is a naturally-occurring radioactive gas produced by the natural breakdown (decay) of uranium which is found in soil and rock throughout the US. Radon gas travels through soil and enters buildings through cracks and other penetrations in building foundations. Eventually the gas itself decays into radioactive particles (decay products) that can become trapped in the lungs during human respiration. As these particles in turn decay they release small bursts of radiation which can damage lung tissue and lead to lung cancer over the course of a person's lifespan.

EPA studies have determined that radon gas concentrations in outdoor air average approximately 0.4 picoCuries per liter of air (pCi/L). However, radon and its decay products can accumulate to a much higher concentration inside a building. The EPA has adopted a recommended action level of 4.0 pCi/L; equal to or above which the EPA recommends that building owners take action to reduce the level of airborne radon with the building.

Radon is a colorless, odorless and tasteless gas, and thus, the only way to know whether or not an elevated level of radon gas is present in a building is to test the air for radon gas. Each frequently occupied room that is in contact with the lowest living level of the building should be measured, as even adjacent rooms can have significantly different levels of radon.

Again, radon is a known human carcinogen. Prolonged exposure to elevated radon concentrations causes an increased risk of lung cancer. Like other environmental pollutants, there is some uncertainty about the magnitude of radon health risks. However, scientists are more certain about radon risks than risks from most other cancer-causing environmental pollutants as estimates of radon risk are based on studies of cancer in humans (underground miners). Additional studies on more typical, non-occupationally exposed, populations are underway.

EPA estimates that radon may cause about 14,000 lung cancer deaths in the US each year, with a range of 7,000 to 30,000. The US Surgeon General has warned that radon gas is the second-leading cause of lung cancer deaths after smoking, and is the leading cause among non-smokers.

7.2 Airborne Radon Gas Sampling Methodology

From June 6, 2014, to June 9, 2014, EnviroScience representatives Mr. Hobbins and Mr. Auguste deployed passive radon gas detection canisters in limited areas within the Site structure. The canisters were retrieved at least 48-hours, but not later than 96-hours later. The canisters were supplied by Radon Testing Corporation of America (RTCA).

It is recommended that such canisters be placed at least 20-inches from the floor and 12-inches away from exterior walls. Also, it is recommended that the canisters not be placed near drafts resulting from Heating, Ventilating and Air Conditioning (HVAC) intakes and returns, doors, and at least 36-inches from windows. Also, canisters should not be exposed to direct sunlight, be covered up, or otherwise disturbed during the testing period. A closed building condition is also utilized for 12-hours prior to testing being conducted.

Sample analysis was performed by RTCA; results are included in *Appendix H.*

7.3 Airborne Radon Gas Quality Assurance Procedure

EPA strongly recommends that quality assurance measurements are included in radon measurement studies. Quality assurance measurements include side-by-side canisters (duplicates), and unexposed control canisters (blanks).

Duplicates are pairs of canisters deployed in the same location, side-by-side, for the same measurement period. Duplicates are placed in at least ten percent of all sampling locations. These duplicate canisters are stored, deployed, removed, and shipped to the laboratory for analysis in the same manner as the other canisters. If either or both of the analysis in a duplicate pairing is above the EPA standard of 4.0 pCi/L the relative percent difference (RPD) between the two tests must be determined. If the allowable difference is exceeded, the test is determined to be invalid and a new duplicate test must be analyzed. If both canister results are below the EPA standard then the RPD is not calculated since, despite any disparity, both results are below the EPA standard.

Blanks are utilized to determine whether the manufacturing, shipping, storage, and processing of the canisters has affected the accuracy of airborne radon gas sampling procedures. Blanks are unopened, unexposed canisters that are deployed with and shipped with the exposed canisters, so the processing laboratory treats them without bias. The number of blanks is at least five percent of the total number of canisters deployed, up to a maximum of 25 canisters.

7.4 Airborne Radon Gas Analytical Results

Four canisters, including one duplicate and one blank, were placed in target locations within the structure during sampling that was performed June 6, 2014, to June 9, 2014. The radon gas concentrations in the samples collected during the assessment ranged from 0.1 pCi/L to 0.3 pCi/L. The EPA threshold for radon gas is 4.0 pCi/L.

In *Table 5* below, the locations and results of quality control duplicate tests are listed for the sampling conducted from June 6, 2014, to June 9, 2014:

Table 5
Duplicate Samples Results – June 6, 2014 – June 9, 2014

Location	Canister Numbers	Radon Concentration (pCi/Liter)			Relative Percent Difference (RPD, %)
		Sample	Sample Duplicate	Sample Average	
Bedroom	2313971 & 2314006	2.4	2.3	2.25	Percent Difference Not Needed (No Concentrations Above 4.0 pCi/Liter)

Note Duplicate testing results were satisfactory.

In *Table 6* below, the locations and results of quality control blank tests are listed for sampling conducted from June 6, 2014, to June 9, 2014:

Table 6
Blank Samples Results – June 6, 2014 – June 9, 2014

Location	Canister Numbers	Radon Concentration (pCi/Liter)
Living Room	2314670	0.3

Note Blank testing results were satisfactory

In *Table 7* below, the locations, canister numbers, and radon concentrations are listed for the airborne radon assessment conducted from June 6, 2014, to June 9, 2014:

Table 7
Radon Sampling Results – June 6, 2014 – June 9, 2014

Location	Canister Numbers	Radon Concentration (pCi/Liter)
Bedroom	2313971	0.1
Living Room	2314037	0.2

7.5 Recommendations and Conclusions

During the course of the initial radon gas measurement assessment, four sampling canisters, including one duplicate and one blank, were placed in targeted locations within the Site structure. Of the four samples analyzed, the analytical results of each of the samples were below EPA recommended action level of 4.0 pCi/L. No further action regarding radon gas is required.

Photographs are provided in *Appendix I.*

Report prepared by Environmental Technician Robert Hobbins.

Reviewed by:

Kevin McCarthy
Project Manager

Timothy M. Downey
Senior Project Manager

FUSS & O'NEILL
EnviroScience, LLC

Appendix A

Fuss & O'Neill EnviroScience State Licenses, Certifications and Accreditations

0001088 FP **PRSRT T5 0 0664 06040
JOHN R. HOBBINS
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER CT 06040

Dear Licensed/Certified Professional,

Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health (860) 509-7603
P.O. Box [redacted]
M.S.#[redacted] http://www.dph.state.ct.us
Hartford, CT 06134-0308

Sincerely,

[redacted], MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT-INSPECTOR

JOHN R. HOBBINS

LICENSE NO.
000700
CURRENT THROUGH
01/31/15
VALIDATION NO.
03-708142

SIGNATURE COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
JOHN R. HOBBINS

VALIDATION NO.	LICENSE NO.	CURRENT THROUGH
03-708142	000700	01/31/15

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
JOHN R. HOBBINS

VALIDATION NO.	LICENSE NO.	CURRENT THROUGH
03-708142	000700	01/31/15

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 (860) 646-2469

This is to certify that

John Robert Hobbins

xxx-xx-6853

has successfully completed the

4 Hr. Asbestos Inspector Refresher

Asbestos Accreditation under TSCA Title II

40 CFR Part 763

John Rowinski, Principal Instructor

Robert L. May, Jr., Training Manager

September 4, 2013

Date of Course

AI-R-09/13-6

Certificate Number

September 4, 2013; B-

Examination Date & Grade

September 4, 2014

Expiration Date

John R. Hobbins
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER, CT 06040

Dear Licensed/Certified Professional,
Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
http://www.dph.state.ct.us

Sincerely,

Jewel Mullen MD

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

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STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS CERTIFIED BY THIS DEPARTMENT AS A
Lead Inspector

CERTIFICATION NO.
2156

John R. Hobbins

CURRENT THROUGH
01/31/2015
VALIDATION NO.
DUPLICATE

SIGNATURE

Jewel Mullen MD
COMMISSIONER

EMPLOYER'S COPY
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
John R. Hobbins
VALIDATION NO. DUPLICATE
CERTIFICATION NO. 2156
CURRENT THROUGH 01/31/2015
PROFESSION
Lead Inspector
SIGNATURE
Jewel Mullen MD
COMMISSIONER

WALLET CARD
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
John R. Hobbins
VALIDATION NO. DUPLICATE
CERTIFICATION NO. 2156
CURRENT THROUGH 01/31/2015
PROFESSION
Lead Inspector
SIGNATURE
Jewel Mullen MD
COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

John Robert Hobbins
97 Montowese Street, Branford, CT 06405
000-00-6853

has successfully completed the

INSPECTOR REFRESHER
Training Course
conducted by
Cardno ATC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Principal Instructor: Neal Freuden

January 30, 2014
Date of Course

January 30, 2014
Exam Date

CTLIR-205
Certificate Number

January 30, 2015
Expiration Date

Training Manager: Gregory Morsch

Training received complies with the requirements of the Connecticut Department of Public Health pursuant to Section 477 of the Connecticut General Statutes.

0001789 FP **PRSRT T7 0 1264 06040
ULKENS AUGUSTE
146 HARTFORD RD
C/O FUSS & O'NEIL ENVIRO SCIENCE
MANCHESTER CT 06040-5992

Dear Licensed/Certified Professional,

Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health (860) 509-7603
P.O. Box [redacted]
M.S. #[redacted]
http://www.dph.state.ct.us
Hartford, CT [redacted]

Sincerely,

[redacted], MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

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STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A
ASBESTOS CONSULTANT-INSPECTOR

LICENSE NO.
000770
CURRENT THROUGH
09/30/14
VALIDATION NO.
08-697410

ULKENS AUGUSTE

SIGNATURE COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
ULKENS AUGUSTE
VALIDATION NO. [redacted]
LICENSE NO. 000770
CURRENT THROUGH 09/30/14
PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
ULKENS AUGUSTE
VALIDATION NO. 08-697410
LICENSE NO. 000770
CURRENT THROUGH 09/30/14
PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

Ulkens Auguste

xxx-xx-6277

has successfully completed the

4 Hr. Asbestos Inspector Refresher

Asbestos Accreditation under TSCA Title II

40 CFR Part 763

John Rowinski, Principal Instructor

Robert L. May, Jr., Training Manager

January 6, 2014

Date of Course

AI-R-01/14-4

Certificate Number

January 6, 2014

Examination Date

January 6, 2015

Expiration Date

0001768 FP **PRSRT T7 0 1264 06040
ULKENS AUGUSTE
146 HARTFORD RD
C/O FUSS & O'NEIL ENVIRO SCIENCE
MANCHESTER CT 06040-5992

Dear Licensed/Certified Professional,

Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health (860) 509-7603
P.O. Box 340308
M.S.#12HSA http://www.dph.state.ct.us
Hartford, CT 06134-0308

Sincerely,

[redacted], M.D., M.P.H., COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

1. Detach and sign each of the cards on this Form.
2. Display the large card in a prominent place in your office or place of business.
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STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED HEREON IS CERTIFIED
BY THIS DEPARTMENT AS A
LEAD INSPECTOR RISK ASSESSOR

CERTIFICATION NO.
002284
CURRENT THROUGH
09/30/14
VALIDATION NO.
08-687409

ULKENS AUGUSTE

SIGNATURE

[redacted], M.D., M.P.H., COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
ULKENS AUGUSTE
VALIDATION NO. [redacted] CERTIFICATION NO. 002284 CURRENT THROUGH 09/30/14
PROFESSION
LEAD INSPECTOR RISK ASSESSOR

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
ULKENS AUGUSTE
VALIDATION NO. [redacted] CERTIFICATION NO. 002284 CURRENT THROUGH 09/30/14
PROFESSION
LEAD INSPECTOR RISK ASSESSOR

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

Ulkens Auguste

xxx-xx-6277

has successfully completed the

8 Hour Lead Inspector Risk Assessor Refresher Course

(Approved per Sec. 20-477, CT General Statutes)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (U.S.C. 1001 and 15 U.S.C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, 40 CFR part 745 and any other applicable Federal, State, or local requirements.

Brian Santos, Principal Instructor

Robert L. May, Jr., Training Manager

February 20 & 25, 2014
Date of Course

LIRA-R-02/14-1
Certificate Number

February 25, 2014
Examination Date

February 25, 2015
Expiration Date

FUSS & O'NEILL
EnviroScience, LLC

Appendix B

Asbestos Sample Results and Chain of Custody Forms

OrderID: 041416197

OrderID: 041416197

041416197

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

86 Quinny Road, Trumbull, CT 06611 Phone 203-374-3748 Fax 203-374-4391

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 1 of 5

Project Name: Storm Sandy Residential Rehab–2 Scott Street, Milford, CT Project No. 20140277.C4E task 2

Building: 2 Scott Street Project Manager: K. McCarthy

Sample ID	Sample Location	Material
0606BH01A	Living Room	Textured Ceiling/Wall Paint
0606BH01B	Living Room	Textured Ceiling/Wall Paint
0606BH01C	Living Room	Textured Ceiling/Wall Paint
0606BH01D	Living Room	Textured Ceiling/Wall Paint
0606BH01E	Living Room	Textured Ceiling/Wall Paint
0606BH01F	Living Room	Textured Ceiling/Wall Paint
[illegible]01G	Living Room	Textured Ceiling/Wall Paint
[illegible]2A	Crawlspace	Hair-Like Pipe Insulation
[illegible]	Crawlspace	Hair-Like Pipe Insulation
[illegible]2C	Crawlspace	Hair-Like Pipe Insulation
[illegible]3A	Main Floor	Sheetrock
[illegible]3B	Main Floor	Sheetrock
0606BH04A	Main Floor	Taping Compound
0606BH04B	Main Floor	Taping Compound
0606BH05	Main Floor	Sheetrock & Taping Compound

RECEIVED JUN 10 A CINNAMINSON, NJ

Analysis Method: ☒ PLM ☐ Other Turnaround Time 24 hour

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call the EnviroScience Laboratory if analyses will be late at 203-374-3748.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. No point count.

Samples collected by: [signature] Date: 6-6-14 Time: _____

Samples [Rec'd][Sent by] BH Date: 6-9-14 Time: _____

Samples Received by: BH EMSL-FX Date: 6/10/14 Time: 0930

Shipped To: ☒ EMSL State NJ ☐ Other _____

Method of Shipment: ☒ Fed Ex ☐ Other _____

I:\P2014\0277\C4E\lab data\COC_BH_2014-0609.doc

OrderID: 041416197
OrderID: 041416197

416197

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

83 Quarry Road, Trumbull, CT 06611 Phone 203-374-3748 Fax 203-374-4391

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 2 of 5

Project Name: Storm Sandy Residential Rehab--2 Scott Street, Milford, CT Project No. 20140277.C4S task 2

Building: 2 Scott Street Project Manager: K. McCarthy

Sample ID	Sample Location	Material
[illegible]06BF06A	Kitchen/Dining Room	Green Wall Panel
[illegible]06BF06B	Kitchen/Dining Room	Green Wall Panel
[illegible]06BF07A	Kitchen/Dining Room	Wall Panel Glue
[illegible]06BF07B	Kitchen/Dining Room	Wall Panel Glue
[illegible]08A	Furnace Room	Grey Wall Panel
[illegible]	Furnace Room	Grey Wall Panel
[illegible]	Furnace Room	Wall Panel Glue
[illegible]	[illegible] Room	Wall Panel Glue
[illegible]	Porch	Yellow Wall
[illegible]	Porch	Yellow Wall Panel Glue
[illegible]A	Sink Countertop/ Glue	Bathroom
[illegible]	Sink Countertop/ Glue	Bathroom
[illegible]	Kitchen/Dining Room--wall at appliances	Brick
[illegible]	Kitchen/Dining Room--wall at appliances	Brick
[illegible]13A	Kitchen/Dining Room--wall at appliances	Brick Grout

RECEIVED JUN 10 A 8:15 CONNECTICUT SITING COUNCIL

Analysis Method: ☒ PLM ☐ Other Turnaround Time 24 hour

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call the EnviroScience Laboratory if analyses will be late at 203-374-3748.

Fax Results to the EnviroScience Laboratory at: 888-888-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. No point count.

Samples collected by: B Hoffman Date: 6-6-14 Time: _____

Samples [Rec'd][Sent by] [Bti] Date: [6-9] Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State NJ ☐ Other _____

Method of Shipment: ☒ Fed Ex ☐ Other _____

P:\P2014\0277\C4S\lab data\COC_BIL_20141609.doc

OrderID: 041416197

04141 6197

FUSS & O'NEILL EnviroScience, LLC

www.fando.com

[illegible] Quarry Road, Trumbull, CT 06611

Phone 203-374-3748 Fax 203-374-4391

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 2 of 5

Project Name: Storm Ready Residential Rehab—2 Scott Street, Milford, CT

Project No. 20140277.C4B task 2

Building: 2 Scott Street

Project Manager: K. McCarthy

Sample ID	Sample Location	Material
[illegible]GBH13B	Kitchen/Dining Room—wall at appliances	Brick Grout
[illegible]GBH14A	Kitchen/Dining Room—wall at appliances	Brick Grout Backing
[illegible]GBH14B	Kitchen/Dining Room—wall at appliances	Brick Grout Backing
[illegible]GBH15A	Storage Room	Green/White Sheet Flooring
[illegible]H15B	Storage Room	Green/White Sheet Flooring
[illegible]16A	Kitchen/Dining Room	White Sheet Flooring
[illegible]	Kitchen/Dining Room	White Sheet Flooring
[illegible]	Bathroom	Ceramic [illegible]
[illegible]	Bathroom	Ceramic Floor [illegible]
[illegible]	Bathroom	Ceramic Floor Tile Grout
[illegible]	Bathroom	Ceramic Floor Tile Grout
[illegible]	Bathroom	Ceramic Floor [illegible]
[illegible]	Bathroom	Ceramic Floor Tile [illegible]
[illegible]	Side Entryway (north)	Bottom Layer Shingle Siding
[illegible]H20B	Side Entryway (north)	Bottom Layer Shingle Siding

Analysis Method: ☒ PLM ☐ Other

Turnaround Time 24 hour

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: ________. Please call the EnviroScience Laboratory if analyses will be late at 203-374-3748.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. No point count.

Samples collected by: B. Hobbie Date: 6-6-14 Time: ________

Samples [Rec'd][Sent by] [BH][ ] Date [6-9][ ] Time: ________

Samples Received by: ________ Date: ________ Time: ________

Shipped To: ☒ EMSL State NJ ☐ Other ________

Method of Shipment: ☒ Fed Ex ☐ Other ________

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OrderID: 041416197
OrderID: 041416197

041416197

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

[redacted] Country Road, Trumbull, CT 06611 Phone 203-374-3748 Fax 203-374-4391

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 5 of 6

Project Name: [redacted] Residential Rehab-2 Scott Street, Milford, CT Project No. 20140277.C0B task 2

Building: 2 Scott Street Project Manager: K. McCarthy

Sample ID	Sample Location	Material
[redacted]H21A	Side Entryway (north)	Top Layer Shingle Siding
[redacted]H21B	Side Entryway (north)	Top Layer Shingle Siding
[redacted]H22A	Exterior of Building	Silver Paper Infilled Siding
[redacted]H22B	Exterior of Building	Silver Paper Infilled Siding
[redacted]	Exterior of Building–Main Building Window Systems	Exterior Window Glazing Compound
[redacted]	Exterior of Building–Main Building Window Systems	Exterior Window Glazing Compound
[redacted]	Exterior of Building–Main Building Window Systems	Exterior Window Glazing Compound
[redacted]	[redacted]	[redacted]
[redacted]	Exterior of Building–Porch Window Systems	[redacted]
[redacted]	Exterior of Building–Porch Window Systems	Exterior Window Glazing Compound
[redacted]	Exterior of Building–Side Entryway (north) to Kitchen	Exterior Door Window Glazing Compound
[redacted]	Exterior of Building–Side Entryway (north) to Kitchen	Exterior Door Glazing Compound
[redacted]	Exterior of Building	Concrete Block Foundation
[redacted]	Exterior of Building	Concrete Block Foundation
[redacted]7A	Exterior of Building	Concrete Block Grout

Analysis Method: ☒ PLM ☐ Other Turnaround Time 24 hour

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call the EnviroScience Laboratory if analyses will be late at 203-374-3748.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Min point count.

Samples collected by: [redacted] Date: 6-6-9 Time: _____

Samples [Rec'd] [Sent by] BH Date: 6-9 Time: _____

Samples received by: _____ Date: _____ Time: _____

☒ EMSL State NJ ☐ Other _____

Shipment: ☒ Fed Ex ☐ Other _____

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 5 of 5

Project Name: Storm Sandy Residential Rehab–2 Scott Street, Milford, CT Project No. 20140277.C4R task 2

Building: 2 Scott Street Project Manager: K. McCarthy

Sample ID	Sample Location	Material
[illegible]B	Exterior of Building	Concrete Block Grout
[illegible]BA	Exterior of Building–Crawlspace	Concrete Slab Floor
[illegible]BB	Exterior of Building–Crawlspace	Concrete Slab Floor

Analysis Method: ☒ PLM ☐ Other Turnaround Time [illegible]

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call the EnviroScience Laboratory if analyses will be late at 203-374-3748.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. No point count.

Samples collected by: B. Hoffman Date: 6-6-9 Time: _____

Samples [Rec'd][Sent by] [BH] Date: [6-9] Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State NJ ☐ Other _____

Method of Shipment: ☒ Fed Ex ☐ Other _____

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EMSL Order:	041416197
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CustomerPO:	20140277.C4E
ProjectID:	

Attn: **Kevin McCarthy**
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146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	06/10/14 9:30 AM
Analysis Date:	6/10/2014
Collected:	6/6/2014

Project: **Storm Sandy Residential Rehab-2 Scott St, Milford CT / 20140277.C4E Task 2 / 2 Scott Street**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0606BH01A *041416197-0001*	Living room - Textured ceiling/Wall paint	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH01B *041416197-0002*	Living room - Textured ceiling/Wall paint	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH01C *041416197-0003*	Living room - Textured ceiling/Wall paint	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH01D *041416197-0004*	Living room - Textured ceiling/Wall paint	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH01E *041416197-0005*	Living room - Textured ceiling/Wall paint	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH01F *041416197-0006*	Living room - Textured ceiling/Wall paint	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH01G *041416197-0007*	Living room - Textured ceiling/Wall paint	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH02A *041416197-0008*	Crawlspace - Hair-like pipe insulation	Brown/Black Fibrous Homogeneous	50% Hair 40% Cellulose 5% Synthetic	5% Non-fibrous (other)	None Detected

Analyst(s)
Samantha Rundstorm (27)
Tin Nguyen (34)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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			Non-Asbestos			Asbestos
Sample	Description	Appearance	% Fibrous		% Non-Fibrous	% Type
0606BH02B *041416197-0009*	Crawlspace - Hair-like pipe insulation	Brown/Black Fibrous Homogeneous	50% Hair 40% Cellulose 5% Synthetic		5% Non-fibrous (other)	None Detected
0606BH02C *041416197-0010*	Crawlspace - Hair-like pipe insulation	Brown/Black Fibrous Homogeneous	50% Hair 10% Synthetic 20% Cellulose		20% Non-fibrous (other)	None Detected
0606BH03A *041416197-0011*	Main floor - Sheetrock	Brown/Gray Fibrous Homogeneous	5% Cellulose		95% Non-fibrous (other)	None Detected
0606BH03B *041416197-0012*	Main floor - Sheetrock	Brown/Gray Fibrous Homogeneous	20% Cellulose		80% Non-fibrous (other)	None Detected
0606BH04A *041416197-0013*	Main floor - Taping compound	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
0606BH04B *041416197-0014*	Main floor - Taping compound	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
0606BH05 *041416197-0015*	Main floor - Sheetrock & taping compound	Brown/Gray Fibrous Homogeneous	10% Cellulose		90% Non-fibrous (other)	None Detected
0606BH06A *041416197-0016*	Kitchen/dining room - Green wall panel	Black/Green Fibrous Homogeneous	30% Cellulose		70% Non-fibrous (other)	None Detected

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0606BH06B *041416197-0017*	Kitchen/dining room - Green wall panel	Black/Green Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
0606BH07A *041416197-0018*	Kitchen/dining room - Wall panel glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH07B *041416197-0019*	Kitchen/dining room - Wall panel glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH08A *041416197-0020*	Furnace room - Grey wall panel	Gray/Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
0606BH08B *041416197-0021*	Furnace room - Grey wall panel	Gray/Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
0606BH09A *041416197-0022*	Furnace room - Wall panel glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH09B *041416197-0023*	Furnace room - Wall panel glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH10A *041416197-0024*	Porch - Yellow wall panel glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0606BH10B *041416197-0025*	Porch - Yellow wall panel glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH11A *041416197-0026*	Bathroom - Sink countertop/glue	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH11B *041416197-0027*	Bathroom - Sink countertop/glue	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH12A *041416197-0028*	Kitchen/Dining room-wall at appliances - Brick	White/Red Non-Fibrous Homogeneous	5% Cellulose 2% Fibrous (other) Sample contains vermiculite.	93% Non-fibrous (other)	None Detected
0606BH12B *041416197-0029*	Kitchen/Dining room-wall at appliances - Brick	White/Red Non-Fibrous Homogeneous	2% Fibrous (other) 5% Cellulose Sample contains vermiculite.	93% Non-fibrous (other)	None Detected
0606BH13A *041416197-0030*	Kitchen/Dining room-wall at appliances - Brick grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH13B *041416197-0031*	Kitchen/Dining room-wall at appliances - Brick grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0606BH14A *041416197-0032*	Kitchen/Dining room-wall at appliances - Brick grout backing	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
0606BH14B *041416197-0033*	Kitchen/Dining room-wall at appliances - Brick grout backing	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
0606BH15A *041416197-0034*	Storage room - Green/white sheet flooring	White/Black/Green Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
0606BH15B *041416197-0035*	Storage room - Green/white sheet flooring	White/Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
0606BH16A *041416197-0036*	Kitchen/dining room - White sheet flooring	White Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
0606BH16B *041416197-0037*	Kitchen/dining room - White sheet flooring				Stop Positive (Not Analyzed)
0606BH17A *041416197-0038*	Bathroom - Ceramic floor tile	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH17B *041416197-0039*	Bathroom - Ceramic floor tile	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)
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Project: **Storm Sandy Residential Rehab-2 Scott St, Milford CT / 20140277.C4E Task 2 / 2 Scott Street**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0606BH18A *041416197-0040*	Bathroom - Ceramic floor tile grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH18B *041416197-0041*	Bathroom - Ceramic floor tile grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH19A *041416197-0042*	Bathroom - Ceramic floor tile thinset	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH19B *041416197-0043*	Bathroom - Ceramic floor tile thinset	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH20A *041416197-0044*	Side entryway (north) - Bottom layer shingle siding	Various/Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
0606BH20B *041416197-0045*	Side entryway (north) - Bottom layer shingle siding	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
0606BH21A *041416197-0046*	Side entryway (north) - Top layer shingle siding	Brown/Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
0606BH21B *041416197-0047*	Side entryway (north) - Top layer shingle siding	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected

Analyst(s)
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Received:	06/10/14 9:30 AM
Analysis Date:	6/10/2014
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Project: **Storm Sandy Residential Rehab-2 Scott St, Milford CT / 20140277.C4E Task 2 / 2 Scott Street**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0606BH22A *041416197-0048*	Exterior of building - Silver paper behind siding	Brown/Silver Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
0606BH22B *041416197-0049*	Exterior of building - Silver paper behind siding	Black/Silver Non-Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
0606BH23A *041416197-0050*	Exterior of building-Main building window system - Exterior window glazing compounds	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH23B *041416197-0051*	Exterior of building-Main building window system - Exterior window glazing compounds	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH23C *041416197-0051A*	Exterior of building-Main building window system - Exterior window glazing compounds	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0606BH24A *041416197-0052*	Exterior of building-porch window systems - Exterior window glazing compounds	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH24B *041416197-0053*	Exterior of building-porch window systems - Exterior window glazing compounds	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH24C *041416197-0053A*	Exterior of building-porch window systems - Exterior window glazing compounds	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH25A *041416197-0054*	Exterior of building-Side entryway (north) to kit - Exterior window glazing compounds	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
0606BH25B *041416197-0055*	Exterior of building-Side entryway (north) to kit - Exterior window glazing compounds				Stop Positive (Not Analyzed)

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0606BH26A *041416197-0056*	Exterior of building - Concrete block foundation	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH26B *041416197-0057*	Exterior of building - Concrete block foundation	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH27A *041416197-0058*	Exterior of building - Concrete block grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH27B *041416197-0059*	Exterior of building - Concrete block grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0606BH28A *041416197-0060*	Exterior of building- crawlspace - Concrete slab floor	Gray Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
0606BH28B *041416197-0061*	Exterior of building- crawlspace - Concrete slab floor	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Appendix C

Lead Paint Testing Procedures and Equipment

FUSS&O'NEILL
EnviroScience, LLC

Standard Operating Procedures
HUD and State of Connecticut Lead-Based Paint Inspections

Testing Procedures and Equipment

The U. S. Department of Housing and Urban Development (HUD) "Guidelines for the Evaluation and Control of Lead Hazards in Housing, September 1997" were consulted for this lead evaluation. HUD has been the agency at the federal level with responsibility for the establishment of national lead-based paint standards for testing and abatement. The HUD document will be referenced as the Guidelines in this report. The State of Connecticut Department of Public Health's current lead regulations, Lead Poisoning Prevention and Control (19a-111-1 through 19a-111-11) were also consulted.

This lead evaluation was comprehensive. A comprehensive inspection means that representative painted surfaces were systematically evaluated on a room-by-room basis in accordance with the Guidelines and the State of Connecticut regulations.

Lead-based paint surfaces and components were identified by utilizing on-site x-ray fluorescence (XRF) instruments. EnviroScience Consultants, Inc. owns and utilizes Radiation Monitoring Device LPA-1s (RMD instruments) exclusively for lead-based paint testing. Each instrument is operated in accordance with state and federal and manufacturer standards on the use of the instruments. State and federal protocols provide, with the exception of wall surfaces, one reading with the instrument on a representative component in each room, i.e., baseboard, chair rail, etc., as sufficient to establish the lead paint classification of all the representatives of that component type in a room. In the case of walls, because of the large spatial areas involved and the variability in lead content in paint over such large areas, the federal and state governments want a reading on each wall surface in a room. Therefore, representative testing is not permitted for walls.

The federal government has developed Performance Characteristic Sheets (PCS) for the type of instrument cited above. Each instrument must be calibrated in accordance with these PCSs on a 1.0-milligram lead standard. Each of EnviroScience's instruments has one of these standards assigned to it. Some of the standards were purchased directly from the government and the others from the manufacturers of the instruments.

For the RMD in the standard reading mode on metal, a Substrate Equivalent Lead (SEL) concentration has to be determined. To determine the SEL, the paint is removed from the surface of the component to obtain a bare substrate reading. After removing the paint, the surface is wiped with a 5% trisodium phosphate solution (a heavy duty cleaner). All paint residue is collected and properly disposed. Once the paint and surrounding area are cleaned, the XRF is utilized to determine the SEL for each surface. The SEL values are subtracted from the XRF values to determine the Corrected Lead Concentration (CLC). The CLC is the lead content of the paint on the component tested.

The RMD instrument has federal government-determined positive and negative ranges for the definition of lead-based paint. XRF results are classified using either the threshold or the inconclusive range. For the threshold, results are classified as positive if they are greater than or equal to the threshold and negative if they are less than the threshold. There is no inconclusive

classification when using the threshold values associated with an RMD instrument. The ranges for the RMD instrument and their various operating modes are as follows:

Radiation Monitoring Device LPA Analyzer 1

30-Second Standard Mode Reading Description	Substrate	Threshold (mg/cm^2)
Results corrected for substrate bias on metal substrate only.	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	0.9
	Plaster	1.0
	Wood	1.0

Quick Mode Reading Description	Substrate	Threshold (mg/cm^2)	Inconclusive Range (mg/cm^2)
Readings not corrected for substrate bias on any substrate.	Brick	1.0	None
	Concrete	1.0	None
	Drywall	1.0	None
	Metal	1.0	None
	Plaster	1.0	None
	Wood	1.0	None

Prior to the start of any testing, a sketch of the building is drawn, and side designations are given to help identify exactly where readings were taken. Drawings depicting the room-numbering scheme are located on the cover page(s) for the building(s) inspected. Each side of the building was labeled A, B, C, or D. The wall "A" side of the unit is generally the side of primary entrance into a dwelling, and this room is always Room 1. Areas in the units include rooms, hallways, and closets. Areas are numbered in a clockwise fashion as building construction allows. This allows the inspector to indicate which substrate surface was tested. The condition of the surface is described by a check mark in the appropriate column, under the heading "condition of surface" on the testing form.

When more than one surface type was present on a side, the component tested was indicated with a number. If two windows were present on a building side, they were numbered left to right. Closet shelves and shelf supports were numbered top to bottom.

It is understood that the room layouts presented in the report are in conformance with the conditions that exist at the time the testing is performed. EnviroScience avoids labeling a room solely by its current functional use (i.e., living room, bedroom, etc.) since this use can change over time. Similarly, room layouts can change dramatically as dwellings are renovated and additions are built, incorporating existing rooms, or existing interior walls are moved or eliminated altogether.

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Lead Dust Wipe Sampling Protocol

Data Collection

A. A description of the sample location is recorded.

B. Surface type (floor, windowsill, window well) is noted.

C. Surface area measurements are recorded.

Wipe Sampling Method

A. The area to be wiped is identified and measured.

B. A disposable glove is put on and the "ghost wipe" package is opened.

C. Without touching any other surface, the wipe is opened and placed flat down on the surface. Using firm, consistent pressure, a wipe is taken in a single "S" motion.

D. Next the wipe is folded in half with the contaminated side facing inward and another wipe is taken again at 90 degrees to the first "S" wipe. Do not use a scrubbing motion, but be sure to collect all visible dust in the measured area.

E. The wipe is folded again with the contaminated side inward. Without touching any other surface, the wipe is placed into a plastic centrifuge tube. The tube is sealed and labeled. The sample number indicates the date and sampler's identity.

F. The samples are submitted to our laboratory on our standard sample log. Date and time of transfer is recorded to ensure proper chain of custody. The analytical procedure utilized is a modified EPA SW-846-3050. Blanks are submitted in accordance with EnviroScience's QA/QC program.

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Appendix D

Lead Testing Field Data Sheets

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LEAD INSPECTION COVER SHEET

Inspector's Information

Inspector's Name: Robert Hobbins
License Number: 2156
XRF Model: LPA – 1B
Serial Number: 3241
Date of Inspection: June 6, 2014
Project Number: 20140277.C4E

Property Information

Building Address: 2 Scott Street (Street)

Milford (City) CT (State) Age of Property: N/A

Describe Structure:

Sheetrock ceilings and walls with wood /metal window and door systems and wood floors

Exterior wood siding with concrete foundation

Are there lead hazards present? ☒ Yes ☐ No
Were lead dust wipes taken? ☒ Yes ☐ No
Were soil samples collected? ☐ Yes ☒ No
Were drinking water samples collected? ☐ Yes ☒ No

Single Family Dwelling ☒

Is there an EBL child present?
☐ Yes ☒ No ☐ Unknown

Is there a child under six years of age in the dwelling?
☐ Yes ☒ No ☐ Unknown

Multiple Family Dwelling ☐

Number of units in building: _____
Number of units tested: _____
Is there an EBL child present in the building?
☐ Yes ☐ No ☐ Unknown
If EBL child, which unit(s)? _____
Is there a child under six years of age in the building?
☐ Yes ☐ No ☐ Unknown
If child under six, which unit(s)? _____

XRF Calibration Check

Calibration Paint Film Used: ☐ NIST 1.02 mg/cm² ☒ Manufacturer's Standard 1.0 mg/cm²

Calibration Check Limits Used: ☒ RMD (0.7 to 1.3 mg/cm² inclusive)
☐ Scitec MAP4 (0.6 to 1.2 mg/cm² inclusive)

	Hour	First Reading	Second Reading	Third Reading	Average
First Check	1201	1.0	0.9	1.1	1.0
Second Check	1400	1.1	1.0	1.1	1.06
Third Check	1520	0.9	0.9	1.1	0.96
Fourth Check					

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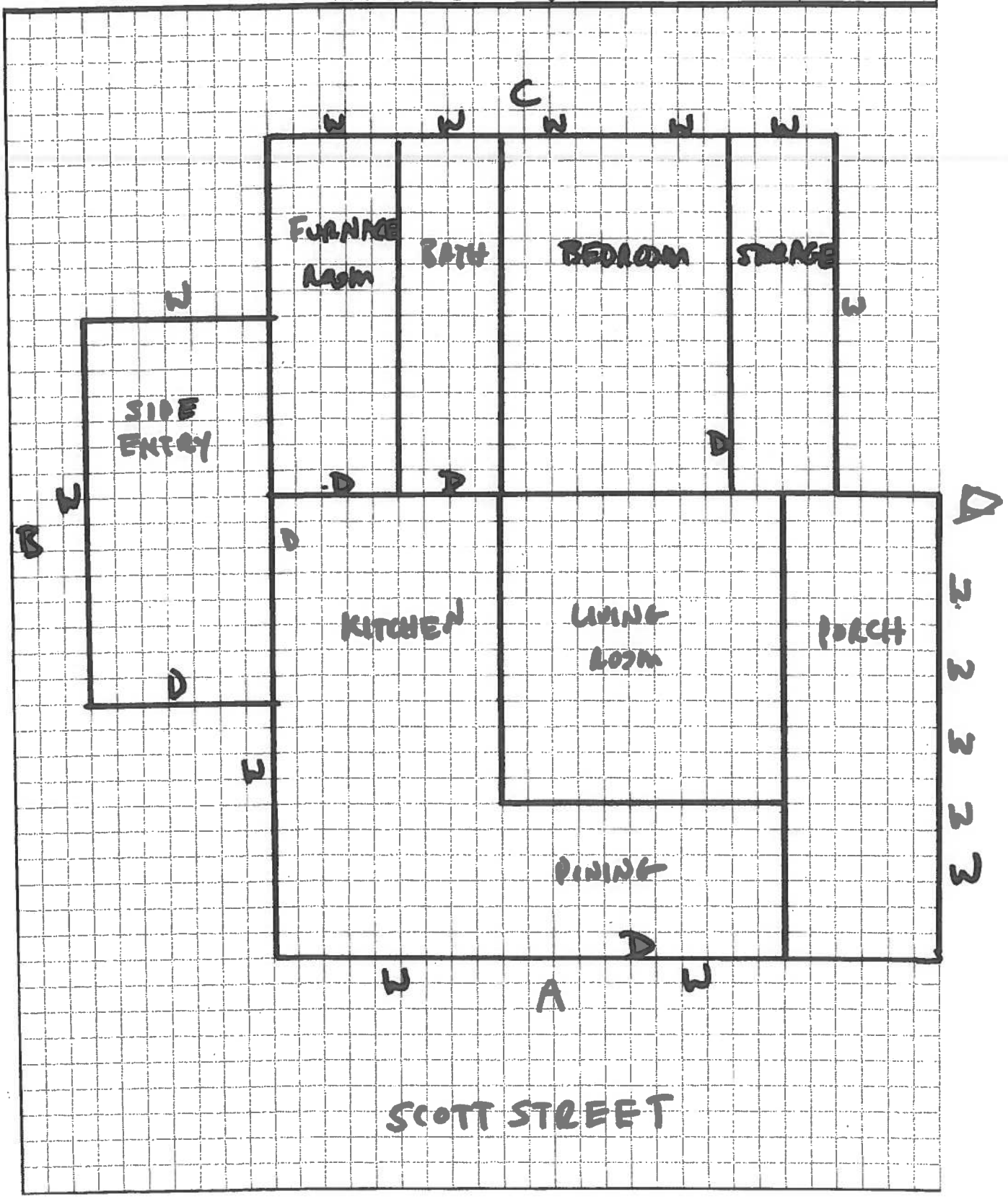
Prepared By	Date	Checked By	Date	Project No

MAIN FLOOR PLAN

Sheet No
of



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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 2 Scott Street, Milford, CT **Apt. #:**

Floor: main **Room:** Bedroom **Page** 1 **of** 13

Project Name: 2 Scott Street **Project Number:** 20140277.C4E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)** * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.2		W					
	Baseboards	0.1		W					
A	Wall	-0.2		SR					
B	Wall	-0.4		SR					
C	Wall	-0.1		SR					
D	Wall	-0.3		SR					
	Chair rail								
	Ceiling	-0.2		SR					
	Crown Molding								
	Door								
	Casing								
	Jamb								
	Door								
	Casing								
	Jamb								
	Window Trim	-0.1		W					
	Sill	-0.1		W					
	Sash	-0.1							
	Well	0.0		W					
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Radiator								
	Wall Molding								
A	[redacted]								
B									
C									
D									
	DOW opening	-0.0		W					

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 2 Scott Street, Milford, CT **Apt. #:**

Floor: Main **Room:** Storage **Page** 2 **of** 13

Project Name: 2 Scott Street **Project Number:** 20140277.C4E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)** * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall	-0.3		SR					
B	Wall	-0.0		SR					
C	Wall	-0.0							
D	Wall / STUD	-0.2 / 0.8		W					Nail 0.4 W-grey
	Chair rail								
	Ceiling	-0.3		SR					
	Crown Molding								
	Door								
	Casing	-0.1		W					
	Jamb	-0.1		W					
	Door								
	Casing								
	Jamb								
	Window Trim	3.6	✓	W	YES				
	Sill	0.0		W					
	Sash	1.7	✓	W	Yes				
	Well	0.2		W					
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves	-0.4		W					
	Shelf Supports	-0.3		W					
	Radiator								
	Wall Molding								
A	[redacted]								
B									
C									
D									
	old siding	5.7	✓	W	Yes				

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 2 Scott Street, Milford, CT **Apt. #:**

Floor: Main **Room:** Living Room **Page** 3 of 13

Project Name: 2 Scott Street **Project Number:** 20140277.C4E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)** * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.2		W					
	Baseboards	-0.1		W					
A	Wall	-0.5		SR					
B	Wall	-							
C	Wall	-0.2		SR					
D	Wall	-0.1		SR					
	Chair rail	-0.1		SR					
	Ceiling	0.2		SR					
	Crown Molding	-0.2		W					
	Door	-0.2		W					
	Casing	-0.2		W					
	Jamb	-0.2		W					
	Door								
	Casing								
	Jamb								
	Window Trim								
	Sill								
	Sash								
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Radiator								
	Wall Molding								
A	[redacted]								
B									
C									
D									

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 2 Scott Street, Milford, CT **Apt. #:**

Floor: main **Room:** porch **Page** 5 **of** 13

Project Name: 2 Scott Street **Project Number:** 20140277.C4E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)** * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	0.4		W					
	Baseboards	-0.5		W					
A	Wall	0.0		SR					
B	Wall	-0.1		SR					
C	Wall	-0.6		SR					
D	Wall	-0.0		SR					
	Chair rail								
	Ceiling	-0.4		SR					
	Crown Molding	-0.1		W					
	Door								
	Casing	R							
	Jamb								
	Door	0.1		W					
	~~Casing~~	~~3.4~~	~~✓~~	~~W~~	~~yes~~				
	Jamb	1.1	✓	W	yes				
	Window Trim	3.9	✓	W	yes				
	Sill	-0.2		W					
	Sash	-0.2		W					
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Radiator								
	Wall Molding								
A									
B									
C									
D									
	Bay window	-0.2		W					
	kickboard	0.7		W					

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 2 Scott Street, Milford, CT **Apt. #:**

Floor: **Room:** kitchen / Dining **Page** 6 **of** 13

Project Name: 2 Scott Street **Project Number:** 20140277.C4E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)** * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	0.0		W					
	Baseboards								
A	Wall	0.1		SR					
B	Wall	0.1		SR					
C	Wall	-0.0		W					
D	Wall	-0.1		W					
	Chair rail								
	Ceiling								
	Crown Molding	0.2		W					
	Door	± 0.3		W					
	Casing	1.7	/	yes					
	Jamb	9.5	/	yes					
	Door								
	Casing								
	Jamb								
	Window Trim	-0.2		W					
	Sill	-0.2		W					
	Sash	-0.0		W					
	Well								
	Cabinet Base	-0.1		W					
	Door Exterior	-0.1		W					
	Door Interior	-0.3		W					
	Walls								
	Shelves	-0.1		W					
	Shelf Supports								
	Radiator								
	Wall Molding								
A	[redacted]								
B									
C									
D									

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 2 Scott Street, Milford, CT **Apt. #:**

Floor: main **Room:** Furnace room **Page** 7 **of** 13

Project Name: 2 Scott Street **Project Number:** 20140277.C4E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)** * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	0.1		W					
	Baseboards								
A	Wall NC								
B	Wall	0.3		W					
C	Wall	-0.2		SR					
D	Wall	-0.2		SR					
	Chair rail								
	Ceiling	-0.2		SR					
	Crown Molding								
	Door								
	Casing	-0.4		W					
	Jamb	0.0		W					
	Door								
	Casing								
	Jamb								
	Window Trim	1.3	/	W	YES				
	Sill								
	Sash								
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Radiator								
	Wall Molding								
A									
B									
C									
D									

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 2 Scott Street, Milford, CT Apt. #:

Floor: Room: Side Entry Page 8 of 13

Project Name: 2 Scott Street Project Number: 20140277.C4E

Project Manager: K. McCarthy (If Positive - Check All That Apply) * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	0.2		W					
	Baseboards								
A	Wall								
B	Wall								
C	Wall								
D	Wall								
	Chair rail								
	Ceiling Beam	0.1		W					
	Crown Molding								
	Door								
	Casing	79.9	✓	YES					
	Jamb	6.7	✓	YES					
	Door								
	Casing								
	Jamb								
	Window Trim								
	Sill								
	Sash								
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Radiator								
	Wall Molding								
A	[redacted]								
B									
C									
D									
	Wall Trim	79.9	✓	YES					
	Ceiling								

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 2 Scott Street, Milford, CT Apt. #:

Floor: main Room: Bath Page 9 of 13

Project Name: 2 Scott Street Project Number: 20140277.C4E

Project Manager: K. McCarthy (If Positive - Check All That Apply) * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.3		Cer.					
	Baseboards								
A	Wall	-0.2		SR					
B	Wall	-0.2							
C	Wall	-0.2							
D	Wall	-0.2							
	Chair rail								
	Ceiling	-0.2		SR					
	Crown Molding								
	Door								
	Casing								
	Jamb								
	Door	-0.2		W					
	Casing	-0.1		W					
	Jamb	-0.2		W					
	Window Trim	-0.3		W					
	Sill	-0.0		W					
	Sash	-0.1		W					
	Well	-0.0		W					
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Radiator	0.7		M					
	Wall Molding								
A	[redacted]								
B									
C									
D									

Notes:

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XRF FIELD DATA SHEET – EXTERIOR OF SIDE A

Address: 2 Scott Street, Milford, CT
Page 13 **of** 13
Project Name: 2 Scott Street
Project Number: 20140277.C4E
Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board								
	Corner Boards								
	Siding	-0.2		W					
	Upper Trim	1.3	✓	W	YES				
	Door								
	Casing								
	Jamb								
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill								
	Trim	-0.2/0.0		W					Basement
	Sash	-0.1/0.1	✓	W	YES				
	Blind Stops								
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters	-0.2		W					
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails	-0.3		W					
	Treads	-0.5		W					
	Risers	-0.2		W					
	Stringers								

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XRF FIELD DATA SHEET – EXTERIOR OF SIDE B

Address: 2 Scott Street, Milford, CT **Page** 10 **of** 13

Project Name: 2 Scott Street **Project Number:** 20140277.C4E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board								
	Corner Boards								
	Siding	-0.1		W					
	Upper Trim	-0.2		W					
	Door	-0.2		W					
	Casing	-0.1		W					
	Jamb	-0.5		W					
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill	-0.2		W					outside
	Trim	-0.1		W					Right N/A
	Sash	-0.1		W					
	Blind Stops								
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails								
	Treads								
	Risers								
	Stringers								

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XRF FIELD DATA SHEET – EXTERIOR OF SIDE C

Address: 2 Scott Street, Milford, CT
Page 11 **of** 13
Project Name: 2 Scott Street
Project Number: 20140277.C4E
Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board								
	Corner Boards								
	Siding	-0.1		W					
	Upper Trim								
	Door	-0.1		W					
	Casing	-0.1		W					
	Jamb								
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill	0.0		W					
	Trim	-0.0		W					
	Sash								
	Blind Stops								
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails								
	Treads								
	Risers								
	Stringers								

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XRF FIELD DATA SHEET – EXTERIOR OF SIDE D

Address: 2 Scott Street, Milford, CT
Page 12 **of** 13
Project Name: 2 Scott Street
Project Number: 20140277.C4E
Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board	-0.2		W					
	Corner Boards								
	Siding								
	Upper Trim								
	Door								
	Casing								
	Jamb								
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill	-0.0		W					Basement
	Trim	-0.0		W					
	Sash	-0.1		W					Window
	Blind Stops								
	Storm Window								-0.2 sill
	Basement Sash								0.2 trim
	Frame								-0.2 sash
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails								
	Treads								
	Risers								
	Stringers								

FUSS & O'NEILL
EnviroScience, LLC

Appendix E

Lead in Dust Sample Results and Chain of Custody Form

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 786-5974
http://www.EMSL.com cinnaminsonlab@emsl.com

EMSL Order:	201408231
CustomerID:	ENVI54
CustomerPO:	
ProjectID:	

Attn: **Fuss & O'Neill EnviroScience, LLC**
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	06/10/14 8:49 AM
Collected:	6/6/2014

Project: **20140277.04E / Storm Sandy Rehab / 2 Scott Rd., Milford, CT**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
060614UA-01	0001	6/6/2014	6/10/2014	144 in²	1000 µg/ft²
	Site: Storage Room - Floor				
060614UA-02	0002	6/6/2014	6/10/2014	36 in²	20000 µg/ft²
	Site: Storage Room - W.Sill				
060614UA-03	0003	6/6/2014	6/10/2014	144 in²	120 µg/ft²
	Site: Furnace Room - Floor				
060614UA-04	0004	6/6/2014	6/10/2014	36 in²	8900 µg/ft²
	Site: Furnace Room - W.Sill				
060614UA-05	0005	6/6/2014	6/10/2014	144 in²	3200 µg/ft²
	Site: Porch - Floor				
060614UA-06	0006	6/6/2014	6/10/2014	36 in²	4000 µg/ft²
	Site: Porch DS Window - W.Sill				
060614UA-07	0007	6/6/2014	6/10/2014	144 in²	55 µg/ft²
	Site: Kitchen/Dining Room - Floor				
060614UA-08	0008	6/6/2014	6/10/2014	144 in²	95 µg/ft²
	Site: Kitchen/Dining Room Dup - Floor				
060614UA-09	0009	6/6/2014	6/10/2014	36 in²	510 µg/ft²
	Site: Kitchen A, Window - W.Sill				
060614UA-10	0010	6/6/2014	6/10/2014	n/a	<10 µg/wipe
	Site: Field Blank				
060614UA-11	0011	6/6/2014	6/10/2014	n/a	<10 µg/wipe
	Site: Field Blank				

Julie Smith - Laboratory Director
NJ NELAP Accredited:03036
or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. '<' (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100184, A2LA 2848.01

Initial report from 06/11/2014 10:40:50

FUSS & O'NEILL
EnviroScience, LLC
www.fando.com
146 Hartford Road, Manchester, CT 06040
(860) 646-2469 Fax (860) 649-6883

20140823l

SAMPLE LOG FOR LEAD WIPES

Sheet No. 1 of 1

Project Name: Storm Sandy Rehabs
Building: 2 Scott Rd, Milford, CT

Project Number: 20140277.C45
Project Manager: KM

Sample ID Number	Sample Location/Building	Surface Component	Sq. Ft	Result (ug/ft)	Lab Number
060614UA-01	Storage Room	Floor	144		082317
-02	↓	W. Sill	36		2
-03	Furnace Room	Floor	144		3
-04	↓	W. Sill	36		4
-05	Porch	Floor	144		5
-06	↓ D, Window	W. Sill	36		6
-07	Kitchen/Dining Room	Floor	144		7
-08	↓ Dup	Floor	144		8
-09	↓ A, Window	W. Sill	36		9
-10	Field Blank	←	N/A		10
-11	Field Blank	←	N/A		11

Analysis Method: EPA-SW-846-3050(MOD.)
Wipe Media ☑ ASTM ☐ Non ASTM

Turnaround Time 24 hrs

Based on the turnaround time indicated above, analyses are due to Fuss & O'Neill EnviroScience on or before this date: 6/11/14
Please call the Fuss & O'Neill EnviroScience laboratory at 860-646-2469 if analyses will be late.

Fax Results To: Fuss & O'Neill EnviroScience Laboratory at 888-838-1160

Special Instructions:

Samples Collected By: Ulkens August Date: 6/6/14 Time: 1300
Samples Rec'd/Sent By: ~~[illegible]~~ Date: ~~6/6/14~~ Time: ~~[illegible]~~ Fx
Samples Received By: Date: Time:

Shipped To: ☑ EMSL (State) NJ ☐ Other

Method of Shipment: ☑ Fed Ex. ☐ UPS Overnight ☐ UPS Ground ☐ Other

FUSS & O'NEILL
EnviroScience, LLC

Appendix F

TCLP Sample Results and Chain of Custody Form

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 13, 2014

FOR: Attn: Ms Karron Redfield
Fuss & O'Neill EnviroScience LLC
145 Hartford Turnpike
Manchester CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	JB	06/06/14	14:00
Location Code:	F&OENVIR	Received by:	LK	06/10/14	15:35
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20140277.C4E				

Laboratory Data

SDG ID: GBG54891
Phoenix ID: BG54891

Project ID: 2 SCOTT STREET
Client ID: 20140606JB-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Lead	1.36	0.10	mg/L	06/11/14	LK	SW6010
TCLP Metals Digestion	Completed			06/11/14	I/I	SW3005
TCLP Extraction for Metals	Completed			06/10/14	I	EPA 1311

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 13, 2014
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

June 13, 2014

QA/QC Data

SDG I.D.: GBG54891

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 276663, QC Sample No: BG55080 (BG54891)												
ICP Metals - TCLP Extraction												
Lead	BRL	0.096	0.099	3.10	99.4	99.3	0.1	98.6	98.7	0.1	75 - 125	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
June 13, 2014

Friday, June 13, 2014

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBG54891 - FOENVIR

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: 2 SCOTT STREET **Project Number:**

Laboratory Sample ID(s): BG54891

Sampling Date(s): 6/6/2014

RCP Methods Used:

☑ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☐ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Friday, June 13, 2014

Authorized Signature: Ethan Lee Printed Name: Ethan Lee

Position: Project Manager

Nov 2007

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH NY # 11301

RCP Certification Report

June 13, 2014

SDG I.D.: GBG54891

BG54891 - The following analytes from the 6010 RCP Metals list were not reported: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Arcos 06/11/14-1 (BG54891)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 6/11/2014

QC (Batch Specific)

---------- Sample No: BG55080, QA/QC Batch: 276663 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Temperature Narration

The samples were received at 6C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

6°C We
1P

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☐ 146 Hartford Road, Manchester, CT 06040
☑ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other ____

CHAIN-OF-CUSTODY RECORD 30889

☐ 24-Hour* ☐ 72-Hour* ☐ Other ____ (days)
☐ 48-Hour* ☑ Standard (3 days) *Surcharge Applies

PROJECT NAME: 2 Scott Street
PROJECT LOCATION: Milford, CT
PROJECT NUMBER: 20140277.C4E
LABORATORY: Phoenix

REPORT TO: Kevin McCarthy / Warren Redfield
INVOICE TO: Sarah Owens
P.O. NO.: 20140277.C4E
Sampler's Signature: [signature] Date: 6-10-14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other Bulk

Analysis Request: TCLP Lead

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water; Glass Soil Container (4) oz ☐ Na_2SO_4; Other; Other; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber ( ) ml ☐ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	TCLP Lead	Glass Soil Container (4) oz	Comments
1	✓	✓			20140606JB-01	X	6-6-14	1400	✓	1	54891

Transfer Number	Relinquished By	Accepted By	Date	Time
1	J Blain	Edo Fridge	6-10-14	900
2	Edo Fridge	[signature]	6-10-14	12:10
3	[signature]	[signature]	6/10/14	15:35
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other ____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☐ RCP Deliverables ☐ MCP CAM Cert.

Additional Comments:

FUSS & O'NEILL
EnviroScience

Appendix G

Mold Sample Results and Chain of Custody Form

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-0262
http://www.EMSL.com / cinnmicrolab@emsl.com

Order ID:	371408247
Customer ID:	ENVI54
Customer PO:	20140277.C4E
Project ID:	

Attn: Kevin McCarthy
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone: (860) 646-2469
Fax: (888) 838-1160
Collected: 06/06/2014
Received: 06/10/2014
Analyzed: 06/11/2014

Proj: 2 Scott Street, Milford CT/ 20140277.C4E

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Bulk Samples (EMSL Method: M041)

Lab Sample Number: / Client Sample ID: / Sample Location:	371408247-0001 / 0606BH-01 / Furnace Room				
Spore Types	Category				
Agrocybe/Coprinus	-				
Alternaria	-				
Ascospores	-				
Aspergillus/Penicillium	Low				
Basidiospores	Rare				
Bipolaris++	-				
Chaetomium	*High*				
Cladosporium	-				
Curvularia	-				
Epicoccum	-				
Fusarium	-				
Ganoderma	-				
Myxomycetes++	Rare				
Paecilomyces	-				
Rust	-				
Scopulariopsis	-				
Stachybotrys	Rare				
Torula	-				
Ulocladium	-				
Unidentifiable Spores	-				
Zygomycetes	-				
Fibrous Particulate	Medium				
Hyphal Fragment	-				
Insect Fragment	-				
Pollen	-				

Category: Count/per area analyzed
Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut
* = Sample contains fruiting structures and/or hyphae associated with the spores.

Farbod Nekouei, M.S., Laboratory Manager
or Other Approved Signatory

No discernable field blank was submitted with this group of samples.

Initial report from: 06/11/2014 09:05:09

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

OrderID: 371408247

371408247

Chain of Custody

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ, 08077

Phone: (856) 858-4800
Fax: (856) 858-4960
(856) 427-1608
http://www.emsl.com

Environmental Microbiology Lab Services

Please print all information legibly.

Fuss & O'Neill EnviroScience, LLC	Fuss & O'Neill EnviroScience, LLC
56 Quarry Road	56 Quarry Road
Trumbull, CT	Trumbull, CT
06611	06611
USA	USA
Kevin McCarthy	Kevin McCarthy
203-374-3748x 3533	203-374-3748x3533
888-838-1160	888-838-1160
kmccarthy@fando.com	kmccarthy@fando.com
Ellen Podell	
2 Scott St, Milford, CT/20140277.C4E	

Project Name 2 Scott Street Date Collected 6-6-14 Date Sent 6-9-14

Other Information: Mold Bulk Sample

For EMSL use only
EMSL Order No. _____
Sample(s) received in good condition? [Y] [N]
Discernable field blank submitted? [Y] [N]

Sample ID	Sample Location	Sample Type	Volume (liters), Area (sq. cm), or Weight (grams)	Analysis Code*	Turn-around Time*	[illegible]
0606BH-01	Furnace Room	Bulk	8 grams	M041	24 hour	N/A

RECEIVED EMSL CINNAMINSON, N.J. 2014 JUN 10 A 10 19

Relinquished by: _____ Date: _____ Time: _____

Received by: MA FY Date: 6/10/14 Time: 9:30

Page: 1 of 1

FUSS & O'NEILL
EnviroScience, LLC

Appendix H

Airborne Radon Gas Assessment Results and Chain of Custody Form

FUSS & O'NEILL
EnviroScience, LLC

Radon Testing Summary Sheet

Contact/Phone #: Bob Hobbins/203-374-3748 x3526
Project #: 20140277.C4E
Building: 2 Scott Street
Address: 2 Scott Street
Milford, CT 06460

Placed by: TS Hobbins
Retrieved by: J. Blum
Start Date: 6-6-14
Stop Date: 6-9-14
Weather at Placement: Sunny - 75°F

email results to jhobbins@fando.com

Instructions: Tear off center bar coded label from canister and affix to sheet in spaces provided. Please make sure top bar coded label is left on detector. Identify test location for each detector in space provided (room #, location in room, etc.). Use additional sheets as necessary. Please notify if detector is missing or damaged at retrieval.

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2313971
REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS
2313971
Client
RADON TESTING CORP. OF AMERICA

Start Time: 12:05
Stop Time: 14:15
Identifier: Bedroom

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2314006

Start Time: 12:05
Stop Time: 14:15
Identifier: Bedroom - D

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2314037
REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS
2314037
Client
RADON TESTING CORP. OF AMERICA

Start Time: 12:07
Stop Time: 14:17
Identifier: Living Room

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2314670
REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS
2314670
Client
RADON TESTING CORP. OF AMERICA

Start Time: _____
Stop Time: _____
Identifier: Living Room - B

Start Time: _____
Stop Time: _____
Identifier: _____

Start Time: _____
Stop Time: _____
Identifier: _____

Start Time: _____
Stop Time: _____
Identifier: _____

Start Time: _____
Stop Time: _____
Identifier: _____

Start Time: _____
Stop Time: _____
Identifier: _____

Start Time: _____
Stop Time: _____
Identifier: _____

56 Quarry Road, Trumbull, CT 06611
t (203) 374-3748
f (203) 374-4391
www.FandO.com

RTCA RADON TESTING CORPORATION OF AMERICA

PC1406100008

Site Radon Inspection Report

Date : 06/10/2014

Mr. Robert Hobbins
Fuss & O'Neill Enviroscience, LLC
146 Hartford Road
Manchester, CT 06040-

Client: 20140277.C4E
Test Location: 2 Scott Street
Milford, CT 06460-
Individual Canister Results

Canister ID# :	2313971	Test Start :	06/06/2014 @ 12:05
Canister Type :	Charcoal Canister 3 inch	Test Stop :	06/09/2014 @ 14:15
Location :	Bed Rm	Received:	06/10/2014 @ 10:44
Radon Level :	0.1 pCi/L	Analyzed:	06/10/2014 @ 16:46
Error for Measurement is: ±	0.2 pCi/L		

Canister ID# :	2314006	Test Start :	06/06/2014 @ 12:05
Canister Type :	Charcoal Canister 3 inch	Test Stop :	06/09/2014 @ 14:15
Location :	Bed Rm DP	Received:	06/10/2014 @ 10:44
Radon Level :	0.1 pCi/L	Analyzed:	06/10/2014 @ 16:46
Error for Measurement is: ±	0.2 pCi/L		

Canister ID# :	2314037	Test Start :	06/06/2014 @ 12:07
Canister Type :	Charcoal Canister 3 inch	Test Stop :	06/09/2014 @ 14:17
Location :	Living Rm	Received:	06/10/2014 @ 10:44
Radon Level :	0.2 pCi/L	Analyzed:	06/10/2014 @ 16:46
Error for Measurement is: ±	0.2 pCi/L		

Canister ID# :	2314670	Test Start :	06/06/2014 @ 12:07
Canister Type :	Charcoal Canister 3 inch	Test Stop :	06/09/2014 @ 14:17
Location :	Living Rm BL	Received:	06/10/2014 @ 10:44
Radon Level :	0.3 pCi/L	Analyzed:	06/11/2014 @ 11:11
Error for Measurement is: ±	0.2 pCi/L		

NRSB

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609

(914)345-3380
FAX (914)345-8546

2 Hayes Street, Elmsford, NY 10523
www.rtca.com

PC1406100008

RTCA RADON TESTING CORPORATION OF AMERICA

Site Radon Inspection Report

Date : 06/10/2014

Mr. Robert Hobbins
Fuss & O'Neill Enviroscience, LLC
146 Hartford Road
Manchester, CT 06040-

Client: 20140277.C4E
Test Location: 2 Scott Street
Milford, CT 06460-
Individual Canister Results

The reported results indicate that radon levels in the building tested are below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends retesting if your living patterns change and you begin occupying a lower level of the building, such as a basement or if major remodeling is done.

General radon information may be obtained by consulting the EPA booklet: A Citizen's Guide to Radon (www.epa.gov/radon/pubs/citguide.html). To request a copy or for further information, please contact your state health department. The EPA maintains a radon information website, including copies of its publications, at www.epa.gov/iaq/radon.

For New Jersey clients: Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

For New York clients: If the radon level of one or more testing devices is equal to or exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for technical advice and assistance at 518-402-7556 or toll free1-800-458-1158.

PLEDGE OF ASSURED QUALITY

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air (EPA 402-R-92-004). The analytical results relate only to the samples tested, in the condition received by the lab, and that calculations were based upon the information supplied by client. RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or it's consultants based on RTCA-provided results.

NRSB

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609

(914)345-3360
FAX (914)345-6546

2 Hayes Street, Elmsford, NY 10523
www.rtca.com

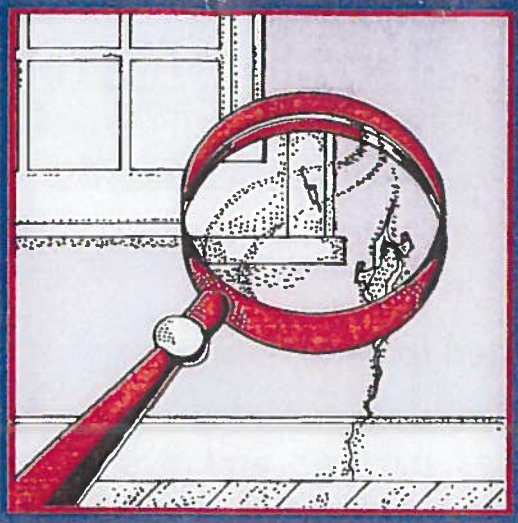
FUSS & O'NEILL
EnviroScience

Appendix I

Photographs

ACM Kitchen/Dining Room White Sheet Flooring

Visible Mold on Furnace Room Sheetrock Wall



Protect Your Family From Lead In Your Home

United States Environmental Protection Agency

United States Consumer Product Safety Commission

United States Department of Housing and Urban Development

Simple Steps To Protect Your Family From Lead Hazards

If you think your home has high levels of lead:

- Get your young children tested for lead, even if they seem healthy.
- Wash children's hands, bottles, pacifiers, and toys often.
- Make sure children eat healthy, low-fat foods.
- Get your home checked for lead hazards.
- Regularly clean floors, window sills, and other surfaces.
- Wipe soil off shoes before entering house.
- Talk to your landlord about fixing surfaces with peeling or chipping paint.
- Take precautions to avoid exposure to lead dust when remodeling or renovating (call 1-800-424-LEAD for guidelines).
- Don't use a belt-sander, propane torch, high temperature heat gun, scraper, or sandpaper on painted surfaces that may contain lead.
- Don't try to remove lead-based paint yourself.

Recycled/Recyclable
Printed with vegetable oil based inks on recycled paper (minimum 50% postconsumer) process chlorine free.

Are You Planning To Buy, Rent, or Renovate a Home Built Before 1978?

Many houses and apartments built before 1978 have paint that contains high levels of lead (called lead-based paint). Lead from paint, chips, and dust can pose serious health hazards if not taken care of properly.

OWNERS, BUYERS, and RENTERS are encouraged to check for lead (see page 6) before renting, buying or renovating pre-1978 housing.

Federal law requires that individuals receive certain information before renting, buying, or renovating pre-1978 housing:

LANDLORDS have to disclose known information on lead-based paint and lead-based paint hazards before leases take effect. Leases must include a disclosure about lead-based paint.

SELLERS have to disclose known information on lead-based paint and lead-based paint hazards before selling a house. Sales contracts must include a disclosure about lead-based paint. Buyers have up to 10 days to check for lead.

RENOVATORS disturbing more than 2 square feet of painted surfaces have to give you this pamphlet before starting work.

IMPORTANT!

Lead From Paint, Dust, and Soil Can Be Dangerous If Not Managed Properly

FACT: Lead exposure can harm young children and babies even before they are born.

FACT: Even children who seem healthy can have high levels of lead in their bodies.

FACT: People can get lead in their bodies by breathing or swallowing lead dust, or by eating soil or paint chips containing lead.

FACT: People have many options for reducing lead hazards. In most cases, lead-based paint that is in good condition is not a hazard.

FACT: Removing lead-based paint improperly can increase the danger to your family.

If you think your home might have lead hazards, read this pamphlet to learn some simple steps to protect your family.

Lead Gets in the Body in Many Ways

Childhood lead poisoning remains a major environmental health problem in the U.S.

Even children who appear healthy can have dangerous levels of lead in their bodies.

People can get lead in their body if they:

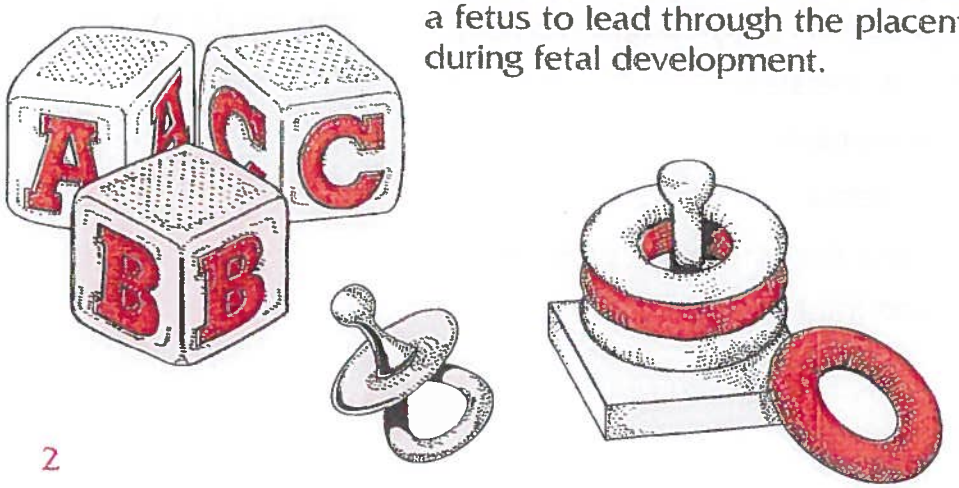
- Breathe in lead dust (especially during renovations that disturb painted surfaces).
- Put their hands or other objects covered with lead dust in their mouths.
- Eat paint chips or soil that contains lead.

Lead is even more dangerous to children under the age of 6:

- At this age children's brains and nervous systems are more sensitive to the damaging effects of lead.
- Children's growing bodies absorb more lead.
- Babies and young children often put their hands and other objects in their mouths. These objects can have lead dust on them.

Lead is also dangerous to women of childbearing age:

- Women with a high lead level in their system prior to pregnancy would expose a fetus to lead through the placenta during fetal development.



Lead's Effects

It is important to know that even exposure to low levels of lead can severely harm children.

In children, lead can cause:

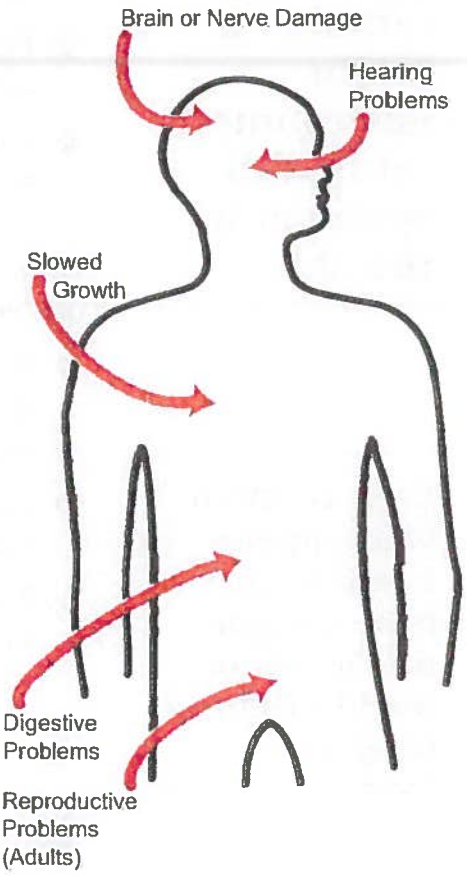
- Nervous system and kidney damage.
- Learning disabilities, attention deficit disorder, and decreased intelligence.
- Speech, language, and behavior problems.
- Poor muscle coordination.
- Decreased muscle and bone growth.
- Hearing damage.

While low-lead exposure is most common, exposure to high levels of lead can have devastating effects on children, including seizures, unconsciousness, and, in some cases, death.

Although children are especially susceptible to lead exposure, lead can be dangerous for adults too.

In adults, lead can cause:

- Increased chance of illness during pregnancy.
- Harm to a fetus, including brain damage or death.
- Fertility problems (in men and women).
- High blood pressure.
- Digestive problems.
- Nerve disorders.
- Memory and concentration problems.
- Muscle and joint pain.



Lead affects the body in many ways.

Where Lead-Based Paint Is Found

In general, the older your home, the more likely it has lead-based paint.

Many homes built before 1978 have lead-based paint. The federal government banned lead-based paint from housing in 1978. Some states stopped its use even earlier. Lead can be found:

- In homes in the city, country, or suburbs.
- In apartments, single-family homes, and both private and public housing.
- Inside and outside of the house.
- In soil around a home. (Soil can pick up lead from exterior paint or other sources such as past use of leaded gas in cars.)

Checking Your Family for Lead

Get your children and home tested if you think your home has high levels of lead.

To reduce your child's exposure to lead, get your child checked, have your home tested (especially if your home has paint in poor condition and was built before 1978), and fix any hazards you may have. Children's blood lead levels tend to increase rapidly from 6 to 12 months of age, and tend to peak at 18 to 24 months of age.

Consult your doctor for advice on testing your children. A simple blood test can detect high levels of lead. Blood tests are usually recommended for:

- Children at ages 1 and 2.
- Children or other family members who have been exposed to high levels of lead.
- Children who should be tested under your state or local health screening plan.

Your doctor can explain what the test results mean and if more testing will be needed.

Identifying Lead Hazards

Lead-based paint is usually not a hazard if it is in good condition, and it is not on an impact or friction surface, like a window. It is defined by the federal government as paint with lead levels greater than or equal to 1.0 milligram per square centimeter, or more than 0.5% by weight.

Deteriorating lead-based paint (peeling, chipping, chalking, cracking or damaged) is a hazard and needs immediate attention. It may also be a hazard when found on surfaces that children can chew or that get a lot of wear-and-tear, such as:

- Windows and window sills.
- Doors and door frames.
- Stairs, railings, banisters, and porches.

Lead from paint chips, which you can see, and lead dust, which you can't always see, can both be serious hazards.

Lead dust can form when lead-based paint is scraped, sanded, or heated. Dust also forms when painted surfaces bump or rub together. Lead chips and dust can get on surfaces and objects that people touch. Settled lead dust can re-enter the air when people vacuum, sweep, or walk through it. The following two federal standards have been set for lead hazards in dust:

- 40 micrograms per square foot ($\mu g/ft^2$) and higher for floors, including carpeted floors.
- 250 $\mu g/ft^2$ and higher for interior window sills.

Lead in soil can be a hazard when children play in bare soil or when people bring soil into the house on their shoes. The following two federal standards have been set for lead hazards in residential soil:

- 400 parts per million (ppm) and higher in play areas of bare soil.
- 1,200 ppm (average) and higher in bare soil in the remainder of the yard.

The only way to find out if paint, dust and soil lead hazards exist is to test for them. The next page describes the most common methods used.

Checking Your Home for Lead

Just knowing that a home has lead-based paint may not tell you if there is a hazard.

You can get your home tested for lead in several different ways:

- A paint **inspection** tells you whether your home has lead-based paint and where it is located. It won't tell you whether or not your home currently has lead hazards.
- A **risk assessment** tells you if your home currently has any lead hazards from lead in paint, dust, or soil. It also tells you what actions to take to address any hazards.
- A combination risk assessment and inspection tells you if your home has any lead hazards and if your home has any lead-based paint, and where the lead-based paint is located.

Hire a trained and certified testing professional who will use a range of reliable methods when testing your home.

- Visual inspection of paint condition and location.
- A portable x-ray fluorescence (XRF) machine.
- Lab tests of paint, dust, and soil samples.

There are state and federal programs in place to ensure that testing is done safely, reliably, and effectively. Contact your state or local agency (see bottom of page 11) for more information, or call **1-800-424-LEAD (5323)** for a list of contacts in your area.

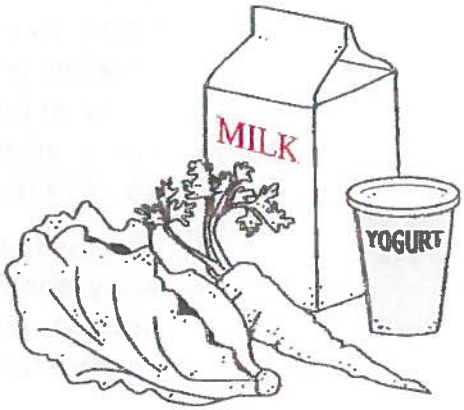
Home test kits for lead are available, but may not always be accurate. Consumers should not rely on these kits before doing renovations or to assure safety.

What You Can Do Now To Protect Your Family

If you suspect that your house has lead hazards, you can take some immediate steps to reduce your family's risk:

- **If you rent, notify your landlord of peeling or chipping paint.**
- **Clean up paint chips immediately.**
- **Clean floors, window frames, window sills, and other surfaces weekly.** Use a mop or sponge with warm water and a general all-purpose cleaner or a cleaner made specifically for lead. REMEMBER: NEVER MIX AMMONIA AND BLEACH PRODUCTS TOGETHER SINCE THEY CAN FORM A DANGEROUS GAS.

- **Thoroughly rinse sponges and mop heads after cleaning dirty or dusty areas.**
- **Wash children's hands often, especially before they eat and before nap time and bed time.**
- **Keep play areas clean.** Wash bottles, pacifiers, toys, and stuffed animals regularly.
- **Keep children from chewing window sills or other painted surfaces.**
- **Clean or remove shoes before entering your home to avoid tracking in lead from soil.**

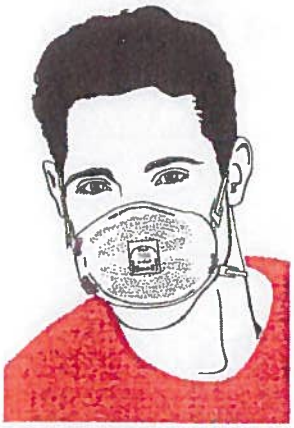


- **Make sure children eat nutritious, low-fat meals high in iron and calcium,** such as spinach and dairy products. Children with good diets absorb less lead.

Reducing Lead Hazards In The Home

Removing lead improperly can increase the hazard to your family by spreading even more lead dust around the house.

Always use a professional who is trained to remove lead hazards safely.



In addition to day-to-day cleaning and good nutrition:

- You can **temporarily** reduce lead hazards by taking actions such as repairing damaged painted surfaces and planting grass to cover soil with high lead levels. These actions (called "interim controls") are not permanent solutions and will need ongoing attention.
- To **permanently** remove lead hazards, you should hire a certified lead "abatement" contractor. Abatement (or permanent hazard elimination) methods include removing, sealing, or enclosing lead-based paint with special materials. Just painting over the hazard with regular paint is not permanent removal.

Always hire a person with special training for correcting lead problems—someone who knows how to do this work safely and has the proper equipment to clean up thoroughly. Certified contractors will employ qualified workers and follow strict safety rules as set by their state or by the federal government.

Once the work is completed, dust cleanup activities must be repeated until testing indicates that lead dust levels are below the following:

- 40 micrograms per square foot ($\mu g/ft^2$) for floors, including carpeted floors;
- 250 $\mu g/ft^2$ for interior windows sills; and
- 400 $\mu g/ft^2$ for window troughs.

Call your state or local agency (see bottom of page 11) for help in locating certified professionals in your area and to see if financial assistance is available.

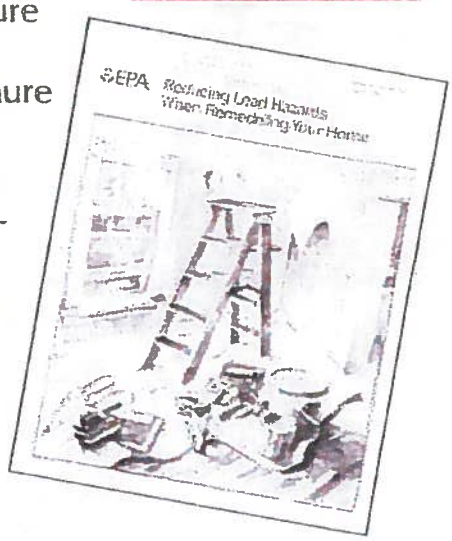
Remodeling or Renovating a Home With Lead-Based Paint

Take precautions before your contractor or you begin remodeling or renovating anything that disturbs painted surfaces (such as scraping off paint or tearing out walls):

- **Have the area tested for lead-based paint.**
- **Do not use a belt-sander, propane torch, high temperature heat gun, dry scraper, or dry sandpaper** to remove lead-based paint. These actions create large amounts of lead dust and fumes. Lead dust can remain in your home long after the work is done.
- **Temporarily move your family** (especially children and pregnant women) out of the apartment or house until the work is done and the area is properly cleaned. If you can't move your family, at least completely seal off the work area.
- **Follow other safety measures to reduce lead hazards.** You can find out about other safety measures by calling 1-800-424-LEAD. Ask for the brochure "Reducing Lead Hazards When Remodeling Your Home." This brochure explains what to do before, during, and after renovations.

If not conducted properly, certain types of renovations can release lead from paint and dust into the air.

If you have already completed renovations or remodeling that could have released lead-based paint or dust, get your young children tested and follow the steps outlined on page 7 of this brochure.



Other Sources of Lead

While paint, dust, and soil are the most common sources of lead, other lead sources also exist.

- **Drinking water.** Your home might have plumbing with lead or lead solder. Call your local health department or water supplier to find out about testing your water. You cannot see, smell, or taste lead, and boiling your water will not get rid of lead. If you think your plumbing might have lead in it:
  - Use only cold water for drinking and cooking.
  - Run water for 15 to 30 seconds before drinking it, especially if you have not used your water for a few hours.
- **The job.** If you work with lead, you could bring it home on your hands or clothes. Shower and change clothes before coming home. Launder your work clothes separately from the rest of your family's clothes.

- Old painted **toys** and **furniture.**
- Food and liquids stored in **lead crystal** or **lead-glazed pottery or porcelain.**
- **Lead smelters** or other industries that release lead into the air.
- **Hobbies** that use lead, such as making pottery or stained glass, or refinishing furniture.

- **Folk remedies** that contain lead, such as "greta" and "azarcon" used to treat an upset stomach.

For More Information

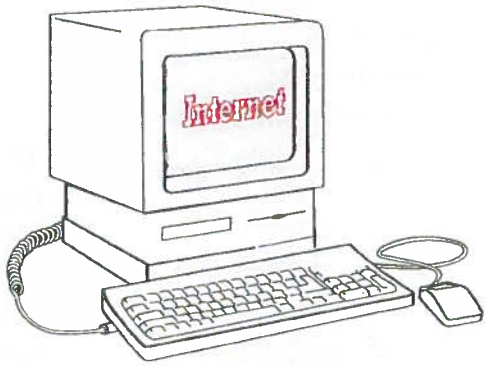
The National Lead Information Center

Call **1-800-424-LEAD (424-5323)** to learn how to protect children from lead poisoning and for other information on lead hazards. To access lead information via the web, visit **www.epa.gov/lead** and **www.hud.gov/offices/lead/.**

EPA's Safe Drinking Water Hotline

Call **1-800-426-4791** for information about lead in drinking water.

Consumer Product Safety Commission (CPSC) Hotline



To request information on lead in consumer products, or to report an unsafe consumer product or a product-related injury call **1-800-638-2772**, or visit CPSC's Web site at: **www.cpsc.gov.**

Health and Environmental Agencies

Some cities, states, and tribes have their own rules for lead-based paint activities. Check with your local agency to see which laws apply to you. Most agencies can also provide information on finding a lead abatement firm in your area, and on possible sources of financial aid for reducing lead hazards. Receive up-to-date address and phone information for your local contacts on the Internet at **www.epa.gov/lead** or contact the National Lead Information Center at **1-800-424-LEAD.**

For the hearing impaired, call the Federal Information Relay Service at **1-800-877-8339** to access any of the phone numbers in this brochure.

EPA Regional Offices

Your Regional EPA Office can provide further information regarding regulations and lead protection programs.

EPA Regional Offices

Region 1 (Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, Vermont)

Regional Lead Contact
U.S. EPA Region 1
Suite 1100 (CPT)
One Congress Street
Boston, MA 02114-2023
1 (888) 372-7341

Region 2 (New Jersey, New York, Puerto Rico, Virgin Islands)

Regional Lead Contact
U.S. EPA Region 2
2890 Woodbridge Avenue
Building 209, Mail Stop 225
Edison, NJ 08837-3679
(732) 321-6671

Region 3 (Delaware, Maryland, Pennsylvania, Virginia, Washington DC, West Virginia)

Regional Lead Contact
U.S. EPA Region 3 (3WC33)
1650 Arch Street
Philadelphia, PA 19103
(215) 814-5000

Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee)

Regional Lead Contact
U.S. EPA Region 4
61 Forsyth Street, SW
Atlanta, GA 30303
(404) 562-8998

Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)

Regional Lead Contact
U.S. EPA Region 5 (DT-8J)
77 West Jackson Boulevard
Chicago, IL 60604-3666
(312) 886-6003

Region 6 (Arkansas, Louisiana, New Mexico, Oklahoma, Texas)

Regional Lead Contact
U.S. EPA Region 6
1445 Ross Avenue, 12th Floor
Dallas, TX 75202-2733
(214) 665-7577

Region 7 (Iowa, Kansas, Missouri, Nebraska)

Regional Lead Contact
U.S. EPA Region 7
(ARTD-RALI)
901 N. 5th Street
Kansas City, KS 66101
(913) 551-7020

Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming)

Regional Lead Contact
U.S. EPA Region 8
999 18th Street, Suite 500
Denver, CO 80202-2466
(303) 312-6021

Region 9 (Arizona, California, Hawaii, Nevada)

Regional Lead Contact
U.S. Region 9
75 Hawthorne Street
San Francisco, CA 94105
(415) 947-4164

Region 10 (Alaska, Idaho, Oregon, Washington)

Regional Lead Contact
U.S. EPA Region 10
Toxics Section WCM-128
1200 Sixth Avenue
Seattle, WA 98101-1128
(206) 553-1985

CPSC Regional Offices

Your Regional CPSC Office can provide further information regarding regulations and consumer product safety.

Eastern Regional Center
Consumer Product Safety Commission
201 Varick Street, Room 903
New York, NY 10014
(212) 620-4120

Western Regional Center
Consumer Product Safety Commission
1301 Clay Street, Suite 610-N
Oakland, CA 94612
(510) 637-4050

Central Regional Center
Consumer Product Safety Commission
230 South Dearborn Street, Room 2944
Chicago, IL 60604
(312) 353-8260

HUD Lead Office

Please contact HUD's Office of Healthy Homes and Lead Hazard Control for information on lead regulations, outreach efforts, and lead hazard control and research grant programs.

U.S. Department of Housing and Urban Development
Office of Healthy Homes and Lead Hazard Control
451 Seventh Street, SW, P-3206
Washington, DC 20410
(202) 755-1785

U.S. EPA Washington DC 20460
U.S. CPSC Washington DC 20207
U.S. HUD Washington DC 20410

EPA747-K-99-001
June 2003

Disclosure of Information on Lead-Based Paint and/or Lead-Based Paint Hazards

Lead Warning Statement

Housing built before 1978 may contain lead-based paint. Lead from paint, paint chips, and dust can pose health hazards if not managed properly. Lead exposure is especially harmful to young children and pregnant women. Before renting pre-1978 housing, lessors must disclose the presence of known lead-based paint and/or lead-based paint hazards in the dwelling. Lessees must also receive a federally approved pamphlet on lead poisoning prevention.

Lessor's Disclosure

(a) Presence of lead-based paint and/or lead-based paint hazards (check (i) or (ii) below):

(i) _____ Known lead-based paint and/or lead-based paint hazards are present in the housing (explain).

_____

_____

(ii) _____ Lessor has no knowledge of lead-based paint and/or lead-based paint hazards in the housing.

(b) Records and reports available to the lessor (check (i) or (ii) below):

(i) _____ Lessor has provided the lessee with all available records and reports pertaining to lead-based paint and/or lead-based paint hazards in the housing (list documents below).

_____

_____

(ii) _____ Lessor has no reports or records pertaining to lead-based paint and/or lead-based paint hazards in the housing.

Lessee's Acknowledgment (initial)

(c) _____ Lessee has received copies of all information listed above.

(d) _____ Lessee has received the pamphlet *Protect Your Family from Lead in Your Home.*

Agent's Acknowledgment (initial)

(e) _____ Agent has informed the lessor of the lessor's obligations under 42 U.S.C. 4852d and is aware of his/her responsibility to ensure compliance.

Certification of Accuracy

The following parties have reviewed the information above and certify, to the best of their knowledge, that the information they have provided is true and accurate.

Lessor	Date	Lessor	Date
Lessee	Date	Lessee	Date
Agent	Date	Agent	Date

City of Milford, Connecticut

- Founded 1639 -

Inland Wetlands Office
inlandwetland@ci.milford.ct.us

70 West River Street
Milford, CT 06460-3317
Tel 203-783-3256
FAX 203-783-3303

June 9, 2014

Mr. Stephen Ball
294 White Deer Rocks Road
Woodbury, Connecticut 06798

Re: Inland Wetland Environmental Review Request for CDBG-DR funding

Dear Mr. Ball:

The Milford Inland Wetlands and Watercourses Agency has received your request to review the following properties for permitting requirements:

10 Cool Ridge Rd - raise house to proper flood elevation
12 Cooper Ave - raise house to proper flood elevation
14 Cooper Ave - raise house to proper flood elevation
870 East Broadway / 2 Scott Street - raise house to proper flood elevation
13 James St - raise house to proper flood elevation
104 Melba St - raise house to proper flood elevation
70 Shell Ave – raise house to proper flood elevation

A review of the sites and the MIWA maps reveals no work is proposed within 100' of an inland wetland. With proper construction practices and sedimentation and erosion controls this proposed work does not appear to have the potential to adversely impact wetlands or watercourses. Therefore, under section 2 of the MIWA Regulations a permit is not required from the MIWA at this time.

This letter applies only to the specific plans noted above. **Any** revision of these plans will require further review by this Agency. No fill material may be placed in a wetland area without additional permits. Should you have any questions concerning this matter, please contact the Inland Wetlands Agency Office at 203-783-3256.

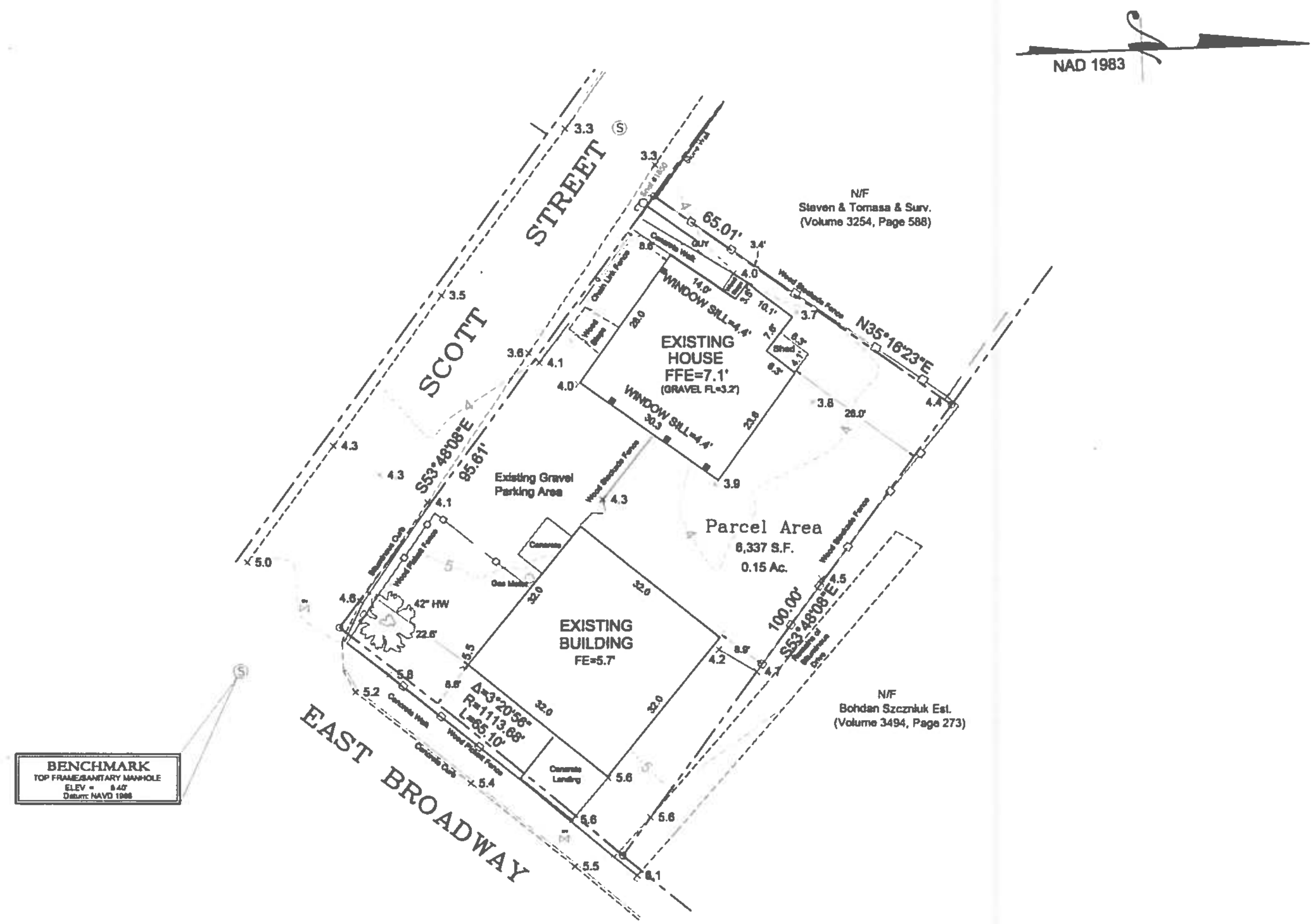
Sincerely,

MaryRose Palumbo
Inland Wetlands Compliance Officer

cc: DPLU
Engineering
Planning & Zoning

LEGEND

- Existing utility pole
- Existing light pole
- Existing fire hydrant
- Existing water valve
- Existing gas valve
- Existing underground pipe
- Existing edge of pavement
- Existing bituminous concrete lip curb
- Existing well
- Existing catch basin
- Existing drainage manhole
- Existing sanitary manhole
- 000 = Existing contour
- x000.0 = Existing spot elevation
- Existing iron pin
- Existing drill hole
- Existing monument



SURVEY NOTES:

1. This map has been prepared pursuant to the Regulation of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996

2. Type of survey performed: Existing Conditions Survey

3. Boundary determination category: Dependent Resurvey

4. Class of accuracy:
   Horizontal: A-2
   Vertical: T-2

5. The intent of this map is to depict or note the position of boundaries with respect to: (A) locations of all boundary monumentation found or set; (B) Apparent improvements and features, including as a minimum: dwellings, barns, garages, sheds, driveways, roadways, surface utilities, visible bodies of water and swimming pools; (C) record easements and visible means of ingress and egress; (D) record and apparent means of ingress and egress; (E) lines of occupation, including as a minimum: fences, walls, hedges and yards; (F) deed restrictions pertaining to the location of buildings or other apparent improvements; (G) unresolved conflicts with record deed descriptions and maps; (H) all apparent boundary encroachments; and (I) monumentation required to be set at all corners created by a deflection angle of not less than 70 degrees between two consecutive courses at an intervals not to exceed 600 feet (180 meters) along the boundaries between said corners, except where natural or man-made monumentation defines or occupies the line.

6. Map References:

   a) Map of Building Lots, Owned by George E. Hastings, FFort Trumbull Beach, Milford, Conn. Mau 2, 1911 on file in the Milford Town Clerk's office. Map A-86

7. Per agreement with property owner no boundary corners were set by this survey unless noted hereon. All monumentation found is depicted or noted hereon.

8. Zone: R5

9. Total area: 6,337 S.F / 0.15 Ac

10. Owner: Richard Malone

11. Town of Milford Assessors Map #27 Lot #00001

12. Filed in Volume 839, Page 1420 of the Town Clerk's office

13. Contours are established from field topography.

14. Vertical Datum is NAVD 1988 and based on the CGS Mon LX 0036

15. There are no Inland wetlands, Federal wetlands, or Tidal wetlands located on the property. Tidal wetlands are within 150' to the West of the boundaries.

16. The Subject Property is in the Coastal Area Management (CAM).

17. The subject property is situated in Zone "AE" (Elevation 11.0') which is a "Special Flood Hazard Area" subject to inundation by 1% annual-chance flood event determined by FEMA. The 500 Year Flood Event elevation is 13.75' (Firm Map 09009C0 Panel 533 Suffix J, Effective date of JuLY 8, 2013)

18. This survey does not include the location of any underground improvements or encroachments, subsurface utility lines or buried debris. Not does it necessarily reflect the existence of any waste dumps or hazardous materials. The underground items depicted or noted are approximate and are not guaranteed. Notify "CALL BEFORE YOU DIG" 1-800-922-4455 prior to any excavation operations.

DATE	REVISION
March 19, 2015	Add Note For No Tidal Wetlands

To the best of my knowledge and belief, this map is substantially correct as noted hereon.

Stephen M. Giudice, L.S. #70145 Reg. No.

NOT VALID UNLESS EMBOSSED SEAL IS AFFIXED HERETO

EXISTING CONDITIONS SURVEY
PREPARED FOR
QUISENBERRY ARCARI ARCHITECTS, LLC
870 EAST BROADWAY
MILFORD, CONNECTICUT
DECEMBER 24, 2014 SCALE: 1"=10'

F.B. # 477 PROJECT # 1715

cole
HARRY E. COLE & SON
engineering. surveying. planning.